

Assignment_2

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Summary

Problem Statement

Universal bank is a young bank growing rapidly in terms of overall customer acquisition. The majority of these customers are liability customers (depositors) with varying sizes of relationship with the bank. The customer base of asset customers (borrowers) is quite small, and the bank is interested in expanding this base rapidly in more loan business. In particular, it wants to explore ways of converting its liability customers to personal loan customers.

A campaign that the bank ran last year for liability customers showed a healthy conversion rate of over 9% success. This has encouraged the retail marketing department to devise smarter campaigns with better target marketing. The goal is to use k-NN to predict whether a new customer will accept a loan offer. This will serve as the basis for the design of a new campaign.

The file UniversalBank.csv contains data on 5000 customers. The data include customer demographic information (age, income, etc.), the customer's relationship with the bank (mortgage, securities account, etc.), and the customer response to the last personal loan campaign (Personal Loan). Among these 5000 customers, only 480 (= 9.6%) accepted the personal loan that was offered to them in the earlier campaign.

Partition the data into training (60%) and validation (40%) sets

Questions - Answers

1. Age = 40, Experience = 10, Income = 84, Family = 2, CCAvg = 2, Education_1 = 0, Education_2 = 1, Education_3 = 0, Mortgage = 0, Securities Account = 0, CD Account = 0, Online = 1, and Credit Card = 1. Perform a k-NN classification with all predictors except ID and ZIP code using $k = 1$. Remember to transform categorical predictors with more than two categories into dummy variables first. Specify the success class as 1 (loan acceptance), and use the default cutoff value of 0.5. How would this customer be classified?

Load required Libraries

```
library(class)
library(caret)
```

```
## Loading required package: ggplot2
```

```
## Loading required package: lattice
```

```
library(e1071)
```

Data Cleaning

```
universal.df <-
```

```
read.csv("C:/Users/palla/OneDrive/Desktop/Assignments/FML/Assignment  
2/UniversalBank.csv")
```

```
dim(universal.df)
```

```
## [1] 5000 14
```

```
head(universal.df)
```

```
## ID Age Experience Income ZIP.Code Family CCAvg Education Mortgage
## 1 1 25 1 49 91107 4 1.6 1 0
## 2 2 45 19 34 90089 3 1.5 1 0
## 3 3 39 15 11 94720 1 1.0 1 0
## 4 4 35 9 100 94112 1 2.7 2 0
## 5 5 35 8 45 91330 4 1.0 2 0
## 6 6 37 13 29 92121 4 0.4 2 155
## Personal.Loan Securities.Account CD.Account Online CreditCard
## 1 0 1 0 0 0
## 2 0 1 0 0 0
## 3 0 0 0 0 0
## 4 0 0 0 0 0
## 5 0 0 0 0 1
## 6 0 0 0 1 0
```

Drop Variable ID and ZIP

```
universal.df<- universal.df[, -c(1,5)]
```

#education need to be converted to factor

```
universal.df$Education<-as.factor(universal.df$Education)
```

#Convert education to dummy variables

```
groups <- dummyVars(~., data=universal.df)
```

```
universal_m.df <- as.data.frame(predict(groups,universal.df))
```

#split the data in to training (60%) and validation(40%)

```
set.seed(1)
```

```
train.index<-sample(row.names(universal_m.df),0.6*dim(universal_m.df)[1])
train.index
```

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[1581] "3555" "704" "4941" "3235" "4964" "3416" "3785" "2509" "459"
"468"
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"3645"
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"3530"
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"2076"
[1631] "2837" "4854" "1748" "4041" "692" "4905" "2874" "3655" "4071"
"4490"
[1641] "4584" "1035" "1125" "2887" "3122" "3621" "1899" "939" "997"
"3864"
[1651] "1448" "1457" "907" "3343" "1597" "3058" "686" "1989" "3422"
"2789"
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"1746"
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"4543"
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"1711"
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"3050"
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"711"
[1711] "2441" "3150" "2712" "4806" "1213" "305" "3362" "1855" "2669"
"1053"
[1721] "460" "3013" "4217" "1330" "1466" "4510" "2567" "3986" "3186"
"1453"
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"1793"
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"4954"
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"4879"
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"3463"
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"2685"
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"2310"
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"4923"
[1891] "1143" "1389" "4327" "1571" "2248" "4312" "3993" "1024" "898"
"3135"
[1901] "3791" "4768" "2755" "2410" "2209" "2097" "4355" "792" "1920"
"1513"
[1911] "3056" "4127" "2591" "3536" "2141" "2735" "141" "4505" "2592"
"3125"
[1921] "3487" "3335" "3931" "1907" "1383" "4159" "2436" "2437" "2386"
"1879"
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"4471"
[1941] "3377" "4113" "4381" "2620" "2226" "2135" "2109" "2258" "1264"
"4924"
[1951] "4483" "2486" "4871" "2748" "149" "3021" "1730" "4260" "985"
"2215"
[1961] "1097" "2865" "3077" "3995" "1765" "841" "1650" "4863" "1555"
"1684"
[1971] "269" "105" "2125" "4632" "3831" "2164" "4612" "2495" "4290"
"1116"
[1981] "918" "4637" "4970" "1731" "3005" "4457" "2686" "4728" "593"
"2981"
[1991] "1310" "4081" "977" "1427" "3620" "2993" "4190" "3059" "3289" "80"
[2001] "3898" "38" "4138" "4536" "2202" "1567" "2348" "2921" "337"
"1968"
[2011] "170" "4824" "2305" "3726" "4876" "334" "1034" "1656" "1086"
"1424"

## [2021]	"1521"	"4979"	"3964"	"2588"	"2797"	"4629"	"1095"	"4359"	"4342"	"4151"
## [2031]	"3672"	"2698"	"1278"	"2429"	"2083"	"1085"	"1681"	"3441"	"238"	"3272"
## [2041]	"2025"	"713"	"4956"	"1677"	"410"	"4074"	"1464"	"3779"	"2008"	"4452"
## [2051]	"1395"	"3066"	"4304"	"3849"	"4268"	"1831"	"1832"	"1052"	"2553"	"1568"
## [2061]	"2148"	"1697"	"4916"	"1166"	"4377"	"2238"	"2793"	"1467"	"3341"	"478"
## [2071]	"2299"	"3767"	"4628"	"4046"	"3838"	"741"	"2647"	"4501"	"4233"	"870"
## [2081]	"746"	"3708"	"4368"	"2058"	"2753"	"1451"	"114"	"253"	"2782"	"1150"
## [2091]	"1425"	"716"	"3824"	"4586"	"1056"	"1396"	"1254"	"2835"	"3407"	"1402"
## [2101]	"1789"	"4466"	"4781"	"2963"	"2099"	"3342"	"1705"	"1100"	"86"	"476"
## [2111]	"2009"	"3765"	"4631"	"3357"	"1004"	"2401"	"3723"	"199"	"889"	"4812"
## [2121]	"584"	"3195"	"1994"	"4294"	"3633"	"2011"	"627"	"226"	"2325"	"97"
## [2131]	"4275"	"448"	"1982"	"4397"	"842"	"2363"	"1579"	"972"	"3832"	"1078"
## [2141]	"2485"	"3944"	"2236"	"261"	"1536"	"663"	"2886"	"4056"	"1065"	"4615"
## [2151]	"2784"	"2042"	"3795"	"3025"	"1297"	"1795"	"3592"	"2530"	"1058"	"3952"
## [2161]	"3688"	"2674"	"2368"	"524"	"662"	"3080"	"1233"	"981"	"2065"	"3083"
## [2171]	"3394"	"668"	"2673"	"70"	"3600"	"2212"	"163"	"2445"	"986"	"1026"
## [2181]	"3294"	"2863"	"3607"	"477"	"3319"	"2324"	"1577"	"4284"	"3568"	"3628"
## [2191]	"2118"	"3439"	"3772"	"288"	"3623"	"3124"	"398"	"4480"	"2358"	"3762"
## [2201]	"4440"	"3185"	"726"	"2725"	"1564"	"2536"	"4689"	"3775"	"1023"	"3730"
## [2211]	"3998"	"160"	"3192"	"732"	"1723"	"381"	"4369"	"3007"	"772"	"1406"
## [2221]	"283"	"698"	"4366"	"1275"	"4319"	"333"	"3461"	"599"	"971"	"596"
## [2231]	"2266"	"392"	"192"	"2990"	"4460"	"3473"	"1726"	"1158"	"4604"	"670"
## [2241]	"1898"	"4424"	"2471"	"1099"	"2013"	"3304"	"2816"	"1442"	"3162"	"2102"
## [2251]	"2804"	"3131"	"2638"	"906"	"2213"	"4705"	"3174"	"3577"	"1488"	"4626"
## [2261]	"4546"	"1953"	"2397"	"456"	"2881"	"2985"	"4107"	"3900"	"1022"	"1797"
## [2271]	"3778"	"3181"	"2367"	"3886"	"796"	"2637"	"1434"	"3317"	"3043"	

"1874"
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"2146"
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"952"
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"3666"
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"1860"
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"2939"
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"2031"
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"2329"
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"1843"
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"1405"
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"4094"
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"1269"
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"1182"
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"4547"
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"4104"
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"1613"
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"3504"
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"4346"
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```

"523"
## [2791] "3370" "1739" "2774" "1470" "3541" "4554" "243" "1682" "3841"
"200"
## [2801] "1686" "4315" "1403" "2945" "1652" "414" "2508" "4362" "2343"
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"2668"
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"4762"
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## [2871] "4937" "2660" "4173" "1737" "3081" "4675" "486" "2420" "205"
"3613"
## [2881] "1237" "175" "2720" "1703" "4320" "3072" "3867" "4982" "765"
"299"
## [2891] "2781" "4815" "554" "4668" "443" "1537" "4712" "4116" "3226"
"4098"
## [2901] "3249" "28" "3453" "3533" "2249" "1538" "3656" "4485" "688"
"2549"
## [2911] "1987" "1915" "382" "2825" "2173" "4681" "1877" "1978" "2710"
"265"
## [2921] "3423" "3227" "3709" "3208" "1840" "2767" "3209" "769" "4787"
"2246"
## [2931] "3076" "2723" "1002" "2916" "2067" "3739" "1325" "1417" "3170"
"2665"
## [2941] "2675" "4265" "2191" "4026" "2398" "1658" "488" "1339" "4913"
"3425"
## [2951] "4367" "3116" "1400" "118" "3161" "62" "4796" "1977" "1626"
"4475"
## [2961] "4370" "2057" "4133" "4711" "2980" "3436" "4445" "3820" "2683"
"3466"
## [2971] "2121" "1333" "4955" "653" "4608" "3348" "2613" "3178" "2473"
"1735"
## [2981] "1413" "155" "131" "293" "3219" "4721" "4553" "2883" "3718"
"3206"
## [2991] "458" "4874" "530" "3783" "1616" "272" "2635" "2193" "4643"
"4890"

```

```

valid.index<-setdiff(row.names(universal_m.df),train.index)

```

```

train.df<-universal_m.df[train.index,]
valid.df<-universal_m.df[valid.index,]
t(t(names(train.df)))

```

```
##      [,1]
## [1,] "Age"
## [2,] "Experience"
## [3,] "Income"
## [4,] "Family"
## [5,] "CCAvg"
## [6,] "Education.1"
## [7,] "Education.2"
## [8,] "Education.3"
## [9,] "Mortgage"
## [10,] "Personal.Loan"
## [11,] "Securities.Account"
## [12,] "CD.Account"
## [13,] "Online"
## [14,] "CreditCard"
```

#normalising the data (Standardisation the data)(note that personal income is the 10th variable

```
train.norm.df <- train.df[, -10]
valid.norm.df <- valid.df[, -10]
norm.values <- preprocess(train.df[, -10], method=c("center", "scale"))
train.norm.df <- predict(norm.values, train.df[, -10])
valid.norm.df <- predict(norm.values, valid.df[, -10])
```

#we have converted all categorical variables to dummy variables #lets create a new sample

```
new_customer <- data.frame(
  Age=40,
  Experience=10,
  Income=84,
  Family=2,
  CCAvg=2,
  Education.1=0,
  Education.2=1,
  Education.3=0,
  Mortgage=0,
  Securities.Account=0,
  CD.Account=0,
  Online=1,
  CreditCard=1
)
```

#Normalise the new customer

```
new.cust.norm <- new_customer
new.cust.norm <- predict(norm.values, new.cust.norm)
```

#Knn prediction for the new customer

```
knn.pred<-
class::knn(train=train.norm.df,test=new.cust.norm,cl=train.df$Personal.Loan,k
=1)
knn.pred

## [1] 0
## Levels: 0 1
```

2.What is a choice of k that balances between overfitting and ignoring the predictor information?

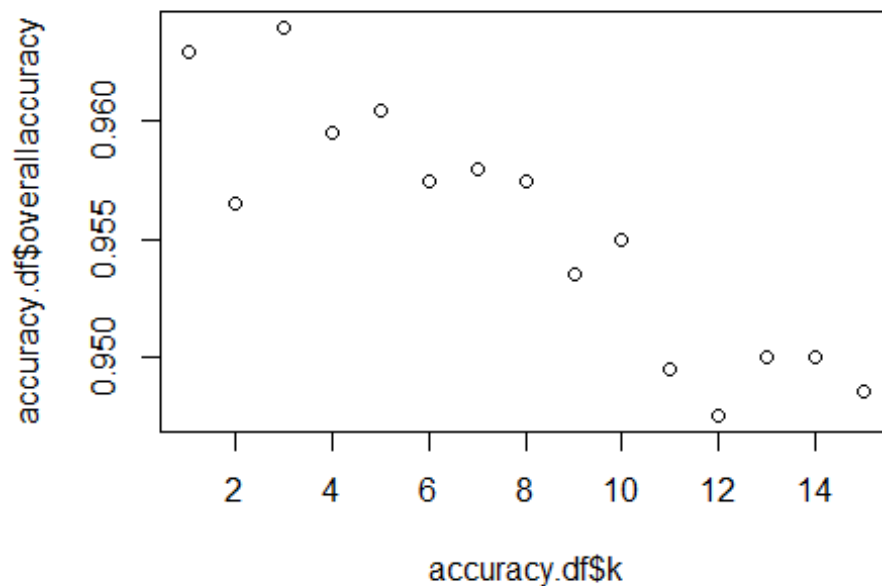
```
# Calculate the accuracy for each value of k
# Set the range of k values to consider
accuracy.df <- data.frame(k = seq(1, 15, 1), overallaccuracy = rep(0, 15))
for(i in 1:15) {
  knn.pred <- class::knn(train = train.norm.df,
                        test = valid.norm.df,
                        cl = train.df$Personal.Loan, k = i)
  accuracy.df[i, 2] <- confusionMatrix(knn.pred,

as.factor(valid.df$Personal.Loan),positive = "1")$overall[1]
}

which(accuracy.df[,2] == max(accuracy.df[,2]))

## [1] 3

plot(accuracy.df$k,accuracy.df$overallaccuracy)
```

3. Show the confusion matrix for the validation data that results from using the best k

```
#considering k=3, as it has the maximum accuracy
knn.pred2<-
class::knn(train=train.norm.df,test=valid.norm.df,cl=train.df$Personal.Loan,k
=3)

confusion_matrix1 <- confusionMatrix(table(knn.pred2,valid.df$Personal.Loan))
confusion_matrix1

## Confusion Matrix and Statistics
##
##
## knn.pred2    0    1
##           0 1786   63
##           1    9  142
##
##               Accuracy : 0.964
##               95% CI : (0.9549, 0.9717)
##      No Information Rate : 0.8975
##      P-Value [Acc > NIR] : < 2.2e-16
##
##               Kappa : 0.7785
##
##  Mcnemar's Test P-Value : 4.208e-10
##
```

```
##           Sensitivity : 0.9950
##           Specificity : 0.6927
##           Pos Pred Value : 0.9659
##           Neg Pred Value : 0.9404
##           Prevalence : 0.8975
##           Detection Rate : 0.8930
##           Detection Prevalence : 0.9245
##           Balanced Accuracy : 0.8438
##
##           'Positive' Class : 0
##
```

4. Consider the following customer: Age = 40, Experience = 10, Income = 84, Family = 2, CCAvg = 2, Education_1 = 0, Education_2 = 1, Education_3 = 0, Mortgage = 0, Securities Account = 0, CD Account = 0, Online = 1 and Credit Card = 1. Classify the customer using the best k.

```
new_customer1<- data.frame(
Age=40,
Experience=10,
Income=84,
Family=2,
CCAvg=2,
Education.1=0,
Education.2=1,
Education.3=0,
Mortgage=0,
Securities.Account=0,
CD.Account=0,
Online=1,
CreditCard=1
)

#normalize the new customer 1
new.cust.norm1<-new_customer1
new.cust.norm1<-predict(norm.values, new.cust.norm1)

#knn prediction new customer1
knn.pred3<-
class::knn(train=train.norm.df,test=new.cust.norm1,cl=train.df$Personal.Loan,
k=3)
knn.pred3

## [1] 0
## Levels: 0 1
```

5. Repartition the data, this time into training, validation, and test sets (50% : 30% : 20%). Apply the k-NN method with the k chosen above. Compare the confusion matrix of the test set with that of the training and validation sets. Comment on the differences and their reason.

#split the data in to training(50%), validation(30%) and test(20%)

```
set.seed(1)
```

```
train.index1<-sample(row.names(universal_m.df),0.5*dim(universal_m.df)[1])
```

```
a=as.numeric(train.index1)
```

```
train.index1
```

```
##      [1] "1017" "4775" "2177" "1533" "4567" "2347" "270"  "4050" "3379"
"4065"
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[1877] 1845 2601 1314 2310 3274 3877 4607 869 4 3409 4952 1199 4399
4923
[1891] 1143 1389 4327 1571 2248 4312 3993 1024 898 3135 3791 4768 2755
2410
[1905] 2209 2097 4355 792 1920 1513 3056 4127 2591 3536 2141 2735 141
4505
[1919] 2592 3125 3487 3335 3931 1907 1383 4159 2436 2437 2386 1879 646
2919
[1933] 2233 1593 4731 3711 4336 1274 875 4471 3377 4113 4381 2620 2226
2135
[1947] 2109 2258 1264 4924 4483 2486 4871 2748 149 3021 1730 4260 985
2215
[1961] 1097 2865 3077 3995 1765 841 1650 4863 1555 1684 269 105 2125
4632
[1975] 3831 2164 4612 2495 4290 1116 918 4637 4970 1731 3005 4457 2686
4728
[1989] 593 2981 1310 4081 977 1427 3620 2993 4190 3059 3289 80 3898
38
[2003] 4138 4536 2202 1567 2348 2921 337 1968 170 4824 2305 3726 4876
334
[2017] 1034 1656 1086 1424 1521 4979 3964 2588 2797 4629 1095 4359 4342
4151
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1677
[2045] 410 4074 1464 3779 2008 4452 1395 3066 4304 3849 4268 1831 1832
1052
[2059] 2553 1568 2148 1697 4916 1166 4377 2238 2793 1467 3341 478 2299

3767
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1451
[2087] 114 253 2782 1150 1425 716 3824 4586 1056 1396 1254 2835 3407
1402
[2101] 1789 4466 4781 2963 2099 3342 1705 1100 86 476 2009 3765 4631
3357
[2115] 1004 2401 3723 199 889 4812 584 3195 1994 4294 3633 2011 627
226
[2129] 2325 97 4275 448 1982 4397 842 2363 1579 972 3832 1078 2485
3944
[2143] 2236 261 1536 663 2886 4056 1065 4615 2784 2042 3795 3025 1297
1795
[2157] 3592 2530 1058 3952 3688 2674 2368 524 662 3080 1233 981 2065
3083
[2171] 3394 668 2673 70 3600 2212 163 2445 986 1026 3294 2863 3607
477
[2185] 3319 2324 1577 4284 3568 3628 2118 3439 3772 288 3623 3124 398
4480
[2199] 2358 3762 4440 3185 726 2725 1564 2536 4689 3775 1023 3730 3998
160
[2213] 3192 732 1723 381 4369 3007 772 1406 283 698 4366 1275 4319
333
[2227] 3461 599 971 596 2266 392 192 2990 4460 3473 1726 1158 4604
670
[2241] 1898 4424 2471 1099 2013 3304 2816 1442 3162 2102 2804 3131 2638
906
[2255] 2213 4705 3174 3577 1488 4626 4546 1953 2397 456 2881 2985 4107
3900
[2269] 1022 1797 3778 3181 2367 3886 796 2637 1434 3317 3043 1874 2623
3829
[2283] 4572 3091 1349 2472 3314 4665 4709 2146 2335 241 3518 2491 871
4645
[2297] 3697 4418 3860 3725 3538 3906 1663 1444 1384 519 1153 767 821
874
[2311] 2323 826 3483 3406 848 63 1245 2477 4561 50 3816 2619 1974
4150
[2325] 4091 3965 326 1532 1955 925 3001 948 778 1225 529 2971 2413
1133
[2339] 362 112 3543 1337 2644 126 214 3516 2568 803 3414 1193 4145
2721
[2353] 389 931 4456 657 3019 4245 2995 952 2550 454 2682 3107 962
2709
[2367] 4870 194 2754 1271 2094 4195 1223 3000 1995 1678 207 1517 3232
3685
[2381] 2443 1391 4250 3676 3168 2618 4045 2880 2225 4987 2090 2417 394
3639
[2395] 4200 3281 3049 706 3866 3666 3263 4842 3062 4742 4263 388 1621
957
[2409] 354 1860 1503 4997 404 3794 1928 1569 3385 2893 179 2939 856

```

346
## [2423] 605 652 2453 301 3374 1785 1471 2031 1036 210 4086 3945 2931
1836
## [2437] 4895 134 1290 2329 2073 3960 4324 3271 1523 2126 4513 1138 1429
1843
## [2451] 424 3164 1006 3368 1628 2338 4334 1976 3 2260 693 3454 2001
2270
## [2465] 2965 1850 4345 3782 140 1405 1126 3975 3570 2581 4522 3052 2518
3694
## [2479] 2366 4094 4335 341 1312 3777 4442 2054 2098 3648 274 91 585
978
## [2493] 3108 2371 2364 1986 2450 880 1903 2224

```

```

train.df1<-universal_m.df[a, ]
train.df1

```

```

##      Age Experience Income Family CCAvg Education.1 Education.2
Education.3
## 1017 30          5      69      1 0.80          0          1
0
## 4775 56          32      22      1 1.20          0          0
1
## 2177 41          14      51      3 2.33          0          1
0
## 1533 45          20      55      1 0.30          1          0
0
## 4567 24           0     131      1 5.40          1          0
0
## 2347 52          26      59      2 1.50          0          1
0
## 270  43          13      33      1 0.75          0          0
1
## 4050 54          28      82      4 2.60          0          0
1
## 3379 25           0      44      4 0.60          0          1
0
## 4065 63          39      50      1 0.00          0          1
0
## 597  48          22     152      1 3.50          0          0
1
## 1301 61          36      23      2 0.50          0          1
0
## 330  28           4     191      1 6.33          1          0
0
## 1799 44          20     185      3 2.70          1          0
0
## 3913 40          14      69      1 1.50          0          0
1
## 1749 49          23      79      3 0.70          0          1
0

```

## 37	59	35	121	1	2.90	1	0
0							
## 1129	30	5	171	2	1.90	0	1
0							
## 729	45	20	114	2	4.40	0	1
0							
## 878	35	11	59	4	0.10	0	1
0							
## 485	25	1	113	2	0.20	1	0
0							
## 4012	47	21	88	2	1.70	0	1
0							
## 2849	24	-1	78	2	1.80	0	1
0							
## 2900	42	18	114	1	0.30	1	0
0							
## 2378	47	23	160	2	6.67	1	0
0							
## 4650	59	35	121	1	4.30	1	0
0							
## 1446	47	21	141	1	2.40	1	0
0							
## 2159	50	25	83	4	3.10	1	0
0							
## 3476	54	30	13	1	0.30	1	0
0							
## 1948	52	28	62	1	1.80	0	0
1							
## 2580	52	27	23	1	0.40	0	0
1							
## 1530	38	14	58	4	2.00	0	0
1							
## 4439	43	18	22	2	0.00	0	0
1							
## 4136	48	23	168	2	2.80	1	0
0							
## 4633	54	29	62	4	0.70	1	0
0							
## 4344	38	14	63	1	3.60	0	1
0							
## 1222	30	5	121	2	3.30	1	0
0							
## 2426	54	30	78	4	1.60	0	1
0							
## 2087	36	12	84	1	0.80	0	1
0							
## 2483	28	4	129	1	1.50	1	0
0							
## 2858	34	8	184	3	7.50	1	0
0							

## 1696	30	6	184	1	6.00	1	0
0							
## 526	64	38	79	2	2.80	1	0
0							
## 1069	34	9	105	3	1.20	0	0
1							
## 22	57	27	63	3	2.00	0	0
1							
## 1128	35	9	58	1	2.50	1	0
0							
## 983	58	33	52	3	0.50	0	1
0							
## 1791	44	20	43	1	0.30	0	0
1							
## 3910	33	7	111	2	1.30	1	0
0							
## 1639	32	7	125	1	0.00	1	0
0							
## 4939	61	35	80	4	1.70	0	0
1							
## 465	43	19	83	4	3.60	0	0
1							
## 1200	29	4	62	2	2.50	1	0
0							
## 3863	60	34	64	3	2.50	1	0
0							
## 1134	31	4	28	1	2.00	0	1
0							
## 84	33	9	50	1	2.40	0	1
0							
## 1895	51	25	29	4	0.10	1	0
0							
## 3101	52	27	81	4	3.80	0	1
0							
## 2300	62	37	15	3	0.10	0	0
1							
## 3990	49	25	90	4	1.40	0	1
0							
## 4971	37	13	95	2	1.70	0	1
0							
## 1328	61	35	30	2	0.20	0	0
1							
## 557	60	34	21	3	0.30	0	0
1							
## 287	51	25	45	3	0.60	0	1
0							
## 3217	34	8	14	4	0.30	1	0
0							
## 3702	58	33	95	1	2.60	1	0
0							

## 1522	33	8	175	2	6.70	1	0
0							
## 858	49	25	30	4	0.20	1	0
0							
## 4672	39	14	104	1	4.00	0	0
1							
## 990	42	16	64	3	0.50	0	0
1							
## 3175	49	24	35	4	0.20	0	1
0							
## 316	24	-2	51	3	0.30	0	0
1							
## 733	26	1	85	1	1.90	1	0
0							
## 4907	54	28	49	1	2.20	0	0
1							
## 2330	30	4	39	1	1.50	1	0
0							
## 1167	30	5	112	4	5.00	0	1
0							
## 3514	31	4	39	2	1.00	0	1
0							
## 3992	64	38	84	1	2.00	1	0
0							
## 1706	48	24	79	4	1.40	0	1
0							
## 501	59	33	34	2	0.30	1	0
0							
## 3788	37	12	28	4	1.70	1	0
0							
## 536	51	25	132	1	0.30	1	0
0							
## 3286	38	13	65	3	0.70	0	1
0							
## 3747	63	39	49	4	1.20	0	1
0							
## 29	56	30	48	1	2.20	0	0
1							
## 3662	29	4	120	1	4.10	0	1
0							
## 1942	43	19	58	2	3.20	1	0
0							
## 1820	60	34	59	1	1.60	1	0
0							
## 2281	33	7	30	2	2.00	0	0
1							
## 1317	28	3	51	2	1.60	0	0
1							
## 4669	40	14	63	3	0.50	0	0
1							

1	##	1966	45	20	94	3	0.50	0	0
1	##	369	63	37	30	2	1.00	0	0
0	##	2499	38	14	111	2	6.10	1	0
1	##	4182	47	22	22	1	0.40	0	0
0	##	355	44	20	173	2	1.40	1	0
1	##	1073	54	24	75	2	4.50	0	0
0	##	361	35	10	55	4	1.30	1	0
0	##	1340	52	25	180	2	9.00	0	1
1	##	1266	32	2	71	2	1.75	0	0
1	##	1841	55	25	23	4	0.40	0	0
1	##	2866	59	33	23	2	0.20	0	0
0	##	4343	32	7	45	3	2.30	1	0
0	##	751	29	5	138	2	4.33	1	0
1	##	219	44	20	72	3	0.30	0	0
0	##	135	53	29	98	3	1.80	0	1
0	##	4207	48	23	29	1	1.30	0	1
1	##	532	32	6	50	4	2.10	0	0
0	##	4504	45	21	33	3	0.50	1	0
1	##	3123	38	14	54	2	0.60	0	0
1	##	912	47	21	68	4	2.60	0	0
0	##	3428	39	15	175	2	8.00	1	0
0	##	2178	31	7	108	1	4.00	1	0
0	##	4455	50	24	38	3	0.60	0	1
1	##	2153	62	38	30	3	0.10	0	0
0	##	1148	37	13	111	1	0.80	0	1

## 1101	42	16	13	1	0.20	1	0
0							
## 1242	64	38	39	1	0.50	0	0
1							
## 3682	33	9	139	1	4.30	1	0
0							
## 1218	44	20	122	1	0.30	1	0
0							
## 4115	52	28	52	4	0.10	0	0
1							
## 273	29	3	45	4	0.20	1	0
0							
## 418	53	29	83	4	1.00	0	1
0							
## 867	44	20	70	4	1.90	1	0
0							
## 4782	35	9	25	3	0.10	0	1
0							
## 4499	51	26	133	1	0.60	1	0
0							
## 3821	32	7	61	3	2.30	1	0
0							
## 1611	38	14	103	1	0.80	0	1
0							
## 818	41	15	38	2	0.70	1	0
0							
## 2652	43	17	51	1	0.70	0	0
1							
## 4730	40	14	18	4	1.50	0	0
1							
## 664	46	20	49	3	2.20	0	1
0							
## 3210	42	16	173	2	1.50	0	1
0							
## 719	56	31	21	2	0.20	0	0
1							
## 500	50	25	42	3	1.70	0	1
0							
## 3045	41	16	15	2	0.30	0	1
0							
## 2809	53	27	35	3	0.90	0	0
1							
## 423	46	20	145	2	6.30	1	0
0							
## 421	47	22	58	4	3.60	0	0
1							
## 989	63	39	32	1	1.90	0	1
0							
## 4236	27	1	91	2	0.20	1	0
0							

1	##	4222	48	22	83	2	0.40	0	0
1	##	3598	56	26	51	3	2.00	0	0
1	##	3580	28	2	84	1	2.90	0	0
0	##	3700	46	22	83	4	1.40	0	1
0	##	2319	60	34	23	1	0.80	0	1
0	##	1154	55	30	55	4	0.90	1	0
0	##	2625	47	21	82	3	2.10	1	0
1	##	3523	64	40	90	2	0.00	0	0
1	##	504	31	5	39	4	1.80	0	0
0	##	4454	37	11	11	3	0.10	0	1
0	##	785	48	22	98	2	6.30	1	0
0	##	3796	51	25	39	1	1.20	0	1
1	##	3912	52	26	44	2	0.80	0	0
0	##	1572	37	13	73	4	2.40	1	0
0	##	4401	34	10	44	1	1.33	1	0
0	##	1833	54	29	79	4	3.80	0	1
0	##	2461	31	5	32	2	0.30	0	1
0	##	2624	42	17	111	3	3.00	1	0
1	##	4225	57	27	39	3	1.00	0	0
0	##	309	32	8	128	2	4.33	1	0
0	##	2922	50	24	95	1	0.30	1	0
0	##	4078	26	0	71	4	1.80	0	1
0	##	441	64	39	59	2	1.50	1	0
0	##	2904	58	34	41	3	1.50	1	0
1	##	3189	55	25	90	2	4.50	0	0

1	## 4405	29	5	34	1	0.40	0	0
1	## 470	48	23	10	2	0.70	0	0
1	## 3686	53	27	93	1	0.80	0	0
0	## 1360	64	40	171	2	2.10	1	0
0	## 1822	32	7	54	4	1.30	1	0
0	## 1790	44	20	171	4	0.70	1	0
0	## 349	40	15	173	4	6.60	1	0
0	## 3144	50	24	38	4	0.10	1	0
0	## 894	58	32	43	3	1.40	1	0
0	## 4686	63	39	41	4	1.30	0	1
0	## 1956	43	17	32	3	0.50	0	1
0	## 474	64	39	182	1	1.20	0	1
1	## 4862	49	24	18	1	0.40	0	0
1	## 455	50	24	29	3	0.90	0	0
0	## 4856	58	32	130	2	2.70	1	0
1	## 3306	39	13	78	1	2.80	0	0
0	## 3556	35	9	81	1	2.70	0	1
1	## 3193	65	39	35	1	0.50	0	0
0	## 15	67	41	112	1	2.00	1	0
1	## 3366	38	8	21	1	0.67	0	0
1	## 4158	34	10	22	3	0.90	0	0
0	## 4486	35	9	50	4	2.20	0	1
0	## 1668	44	20	22	1	1.00	1	0
1	## 1059	59	34	24	2	0.20	0	0
0	## 4477	58	32	40	2	0.30	1	0

## 4983	36	10	45	4	0.20	1	0
0							
## 2597	33	8	39	3	2.30	1	0
0							
## 4096	42	17	59	4	0.40	1	0
0							
## 2012	46	21	39	4	0.00	0	1
0							
## 4084	46	20	99	3	1.10	1	0
0							
## 2110	47	23	178	1	6.50	0	0
1							
## 1172	64	40	43	1	1.90	0	1
0							
## 797	30	6	82	2	2.50	1	0
0							
## 4960	51	27	55	1	1.60	0	1
0							
## 1596	56	26	38	3	1.00	0	0
1							
## 4072	30	6	25	3	1.00	0	1
0							
## 4430	55	29	140	2	2.70	1	0
0							
## 2079	35	11	21	2	1.00	0	1
0							
## 3372	44	18	33	3	0.50	0	1
0							
## 2762	35	8	44	4	1.00	0	1
0							
## 610	37	11	24	4	1.50	0	0
1							
## 3354	49	23	19	4	0.60	0	0
1							
## 1265	58	33	138	2	3.90	1	0
0							
## 3068	31	5	101	1	2.90	0	0
1							
## 4906	62	37	19	3	0.50	1	0
0							
## 2265	35	11	9	4	0.70	0	1
0							
## 2840	58	33	75	2	0.00	0	0
1							
## 2156	62	38	154	1	2.90	1	0
0							
## 4897	40	15	81	2	0.40	1	0
0							
## 1760	31	6	44	4	0.80	1	0
0							

0	##	4664	28	3	115	1	1.90	1	0
1	##	4059	39	15	65	1	1.50	0	0
1	##	4075	60	35	23	1	0.30	0	0
1	##	3506	64	39	103	1	0.80	0	0
1	##	2964	29	3	41	1	1.90	0	0
1	##	3421	66	41	114	1	0.80	0	0
0	##	3586	45	18	45	3	1.00	0	1
0	##	4212	40	16	104	2	1.80	0	1
0	##	2043	41	17	121	1	0.30	1	0
0	##	3070	47	20	68	1	2.67	0	1
1	##	1463	47	21	15	4	0.60	0	0
0	##	1221	41	17	165	2	8.00	1	0
0	##	3292	53	28	38	1	1.30	0	1
0	##	462	55	30	81	2	3.70	1	0
0	##	1957	42	18	89	4	0.80	1	0
0	##	2283	38	14	90	2	2.70	1	0
1	##	4049	27	2	48	2	1.60	0	0
1	##	1498	45	21	73	1	0.80	0	0
1	##	2221	65	40	80	1	0.80	0	0
1	##	3937	43	18	63	3	0.80	0	0
0	##	4767	41	15	54	3	2.10	1	0
1	##	4503	57	32	80	2	0.00	0	0
0	##	2033	62	37	32	3	0.20	1	0
0	##	731	43	18	140	1	7.00	1	0
0	##	4281	42	18	135	2	3.30	1	0

[illegible]

## 1580	29	5	122	4	3.00	1	0
0							
## 3869	41	16	44	1	0.30	0	0
1							
## 1115	32	8	39	1	1.70	1	0
0							
## 3616	58	34	149	2	6.00	1	0
0							
## 3551	40	10	19	1	0.75	0	0
1							
## 4147	53	28	85	1	1.30	0	0
1							
## 2167	32	8	25	3	0.90	0	0
1							
## 2513	58	32	111	2	1.40	1	0
0							
## 1783	37	11	60	2	2.80	1	0
0							
## 436	52	26	80	3	0.80	1	0
0							
## 2137	50	26	115	1	1.20	0	0
1							
## 533	62	37	39	2	2.80	1	0
0							
## 4092	32	6	122	2	1.30	1	0
0							
## 1381	60	34	105	2	1.40	1	0
0							
## 2752	47	23	32	4	0.60	1	0
0							
## 846	44	17	29	3	1.00	0	1
0							
## 4896	45	20	201	2	2.80	1	0
0							
## 4933	59	35	111	1	4.30	1	0
0							
## 3486	39	13	39	2	0.80	0	0
1							
## 3565	33	7	29	1	0.60	0	0
1							
## 570	40	14	70	3	2.10	1	0
0							
## 1926	43	19	81	1	0.30	1	0
0							
## 1813	43	19	128	1	4.70	1	0
0							
## 2833	45	21	133	4	5.70	0	0
1							
## 4835	49	23	70	1	0.30	1	0
0							

0	##	4764	51	25	173	1	0.50	0	1
0	##	1858	37	13	105	1	0.80	0	1
1	##	281	33	8	64	4	2.10	0	0
0	##	4063	38	14	43	2	1.70	1	0
0	##	724	50	24	61	4	2.60	1	0
0	##	2053	28	3	120	1	0.80	1	0
1	##	1354	50	25	14	1	0.40	0	0
0	##	492	42	18	34	4	0.30	1	0
1	##	3255	61	37	9	2	0.30	0	0
0	##	4784	43	19	32	4	0.30	1	0
0	##	1949	39	15	62	4	2.40	1	0
1	##	514	30	6	48	1	2.10	0	0
0	##	2117	44	17	70	3	2.67	0	1
0	##	4666	40	16	65	2	3.20	1	0
1	##	1253	42	17	93	4	1.90	0	0
0	##	2016	30	5	141	1	0.80	1	0
1	##	2189	29	4	9	4	0.50	0	0
0	##	2841	41	15	95	3	0.10	1	0
0	##	132	58	34	149	4	7.20	0	1
0	##	1659	50	25	14	4	0.80	1	0
0	##	2802	58	34	41	4	0.40	1	0
1	##	2181	58	33	42	2	1.60	0	0
0	##	1421	30	4	40	1	0.30	1	0
0	##	2312	62	37	115	4	3.40	0	1
1	##	2643	54	29	81	2	0.00	0	0

0	##	1839	31	7	99	1	4.00	1	0
1	##	3505	46	20	15	4	0.60	0	0
0	##	1838	43	18	103	3	1.00	1	0
0	##	1766	26	0	149	2	7.20	1	0
0	##	1544	52	26	101	2	2.40	0	1
0	##	320	65	39	20	3	0.70	0	1
0	##	4211	35	8	43	2	1.67	0	1
0	##	3525	58	33	15	4	0.90	0	1
1	##	1474	65	35	23	1	1.50	0	0
0	##	4883	43	19	73	3	2.33	1	0
0	##	3917	50	26	12	1	0.20	1	0
1	##	4703	35	5	108	2	2.75	0	0
0	##	2543	54	30	79	4	1.60	0	1
0	##	2018	42	15	14	3	1.00	0	1
1	##	4830	31	7	11	1	0.50	0	0
1	##	109	33	7	32	1	0.60	0	0
0	##	3760	31	4	29	4	1.50	0	1
0	##	2587	47	23	149	4	6.10	1	0
0	##	753	64	39	22	4	0.60	0	1
1	##	393	54	29	48	4	1.80	0	0
0	##	648	62	38	64	4	2.20	1	0
0	##	4141	63	38	32	1	1.50	0	1
0	##	4208	37	11	51	3	2.10	1	0
1	##	4318	58	33	60	4	1.30	0	0
0	##	4254	54	28	61	3	3.00	0	1

## 4841	33	9	18	4	0.40	0	1
0							
## 2822	57	32	31	3	0.10	0	1
0							
## 1937	50	24	82	3	3.00	0	1
0							
## 4746	49	23	129	1	0.30	1	0
0							
## 3789	32	7	82	2	2.50	1	0
0							
## 2778	59	33	91	2	0.70	0	1
0							
## 4910	41	16	25	2	0.10	0	1
0							
## 3940	47	23	12	4	0.20	1	0
0							
## 4396	66	41	25	4	0.60	0	1
0							
## 3333	36	9	49	2	1.67	0	1
0							
## 1139	30	6	83	4	3.40	1	0
0							
## 4436	46	21	34	2	1.30	1	0
0							
## 4508	26	1	8	2	0.90	0	0
1							
## 99	49	23	94	1	0.30	1	0
0							
## 3200	33	9	20	4	0.70	0	1
0							
## 3822	35	9	188	2	3.70	0	1
0							
## 2542	34	8	171	2	2.20	0	1
0							
## 3042	29	5	92	2	0.60	1	0
0							
## 1190	42	17	115	2	0.40	1	0
0							
## 1459	51	25	33	1	1.40	0	0
1							
## 1776	46	22	73	1	0.80	0	0
1							
## 116	65	40	81	3	1.80	0	1
0							
## 2948	45	21	151	2	3.30	1	0
0							
## 3157	54	30	24	1	0.10	0	1
0							
## 4985	27	1	98	4	2.30	0	0
1							

## 1326	50	24	79	1	0.30	1	0
0							
## 1847	56	32	15	1	0.10	0	1
0							
## 1232	66	41	144	1	2.50	1	0
0							
## 1018	31	5	40	4	1.30	0	0
1							
## 383	65	41	133	4	2.00	1	0
0							
## 728	62	37	18	3	1.30	0	1
0							
## 3349	61	35	18	3	0.30	0	0
1							
## 771	26	2	172	2	6.90	0	1
0							
## 2906	64	40	8	2	0.30	0	0
1							
## 484	29	5	30	3	1.00	0	1
0							
## 4599	51	26	21	4	0.80	1	0
0							
## 3222	40	16	44	1	1.80	1	0
0							
## 3887	67	43	79	4	1.70	0	1
0							
## 2563	45	21	39	2	2.10	0	0
1							
## 2800	64	39	85	4	3.40	0	1
0							
## 3588	28	4	29	3	0.10	0	1
0							
## 1700	51	25	15	4	0.60	0	0
1							
## 58	56	31	131	2	1.20	0	0
1							
## 3380	65	41	83	3	2.00	0	0
1							
## 1509	35	10	75	4	0.70	0	0
1							
## 3183	58	33	60	2	1.90	0	1
0							
## 2021	59	34	33	3	0.20	1	0
0							
## 4438	63	38	63	2	1.50	1	0
0							
## 2170	52	27	30	2	0.70	0	1
0							
## 4140	29	3	81	1	2.90	0	0
1							

## 4820	32	6	41	3	0.90	1	0
0							
## 1803	29	3	121	2	1.30	1	0
0							
## 1414	48	24	12	3	0.40	1	0
0							
## 3120	61	36	54	3	0.90	0	0
1							
## 1124	46	20	91	4	2.60	0	0
1							
## 313	36	6	21	1	0.67	0	0
1							
## 2004	44	20	124	1	4.70	1	0
0							
## 822	39	13	33	4	1.50	0	0
1							
## 3787	54	28	90	1	0.30	1	0
0							
## 3382	39	15	143	1	3.50	1	0
0							
## 4611	37	13	79	1	3.60	0	1
0							
## 81	60	36	41	4	1.30	1	0
0							
## 3328	42	18	164	1	1.30	0	0
1							
## 3126	46	20	18	1	0.20	1	0
0							
## 2194	45	19	25	2	0.10	0	0
1							
## 2796	51	25	91	1	0.80	0	0
1							
## 2775	53	29	118	2	0.30	1	0
0							
## 1401	32	8	78	4	0.10	0	1
0							
## 435	30	6	45	1	1.80	0	1
0							
## 3330	35	10	132	1	3.80	1	0
0							
## 1786	29	3	190	2	4.50	1	0
0							
## 3360	43	19	45	3	0.60	0	1
0							
## 234	62	37	58	4	1.70	1	0
0							
## 4392	46	22	113	2	3.30	1	0
0							
## 4411	39	14	153	2	3.00	1	0
0							

1	##	3926	42	18	22	1	1.40	0	0
0	##	1779	27	3	32	3	1.00	0	1
1	##	4888	41	15	49	3	0.90	0	0
0	##	3471	57	31	175	2	0.50	1	0
1	##	2615	35	11	160	4	5.70	0	0
0	##	4278	40	16	138	1	3.50	1	0
0	##	61	49	24	39	3	1.70	0	1
0	##	1089	59	35	95	1	3.80	1	0
0	##	649	50	25	34	1	1.30	0	1
0	##	4658	41	16	9	2	0.30	0	1
0	##	1861	30	6	179	3	4.90	1	0
0	##	4693	59	35	32	3	0.40	0	1
0	##	2114	57	33	25	2	1.00	1	0
0	##	2649	26	0	155	2	7.20	1	0
0	##	4568	46	20	19	3	0.50	0	1
0	##	2992	42	17	113	3	1.00	1	0
1	##	3452	54	30	70	1	1.60	0	0
0	##	3797	24	-2	50	3	2.40	0	1
0	##	1177	29	3	103	4	3.40	1	0
1	##	17	38	14	130	4	4.70	0	0
1	##	1057	36	6	25	1	0.67	0	0
0	##	3706	30	4	30	3	1.00	1	0
0	##	2257	56	31	13	4	0.90	0	1
1	##	1525	40	16	155	4	0.10	0	0
0	##	3415	61	36	18	1	1.30	1	0

1	##	4797	26	0	42	4	1.30	0	0
1	##	795	54	29	44	2	2.30	0	0
0	##	573	39	15	128	1	3.40	1	0
0	##	3037	33	9	14	4	0.70	0	1
1	##	3298	57	32	23	1	0.30	0	0
0	##	2744	32	8	22	4	0.70	0	1
0	##	3558	46	20	54	4	2.90	1	0
0	##	2351	52	28	22	2	0.40	1	0
1	##	3651	47	21	93	2	0.80	0	0
0	##	2298	59	35	31	3	0.40	0	1
1	##	1871	63	37	110	1	4.10	0	0
0	##	1694	57	31	43	1	0.20	1	0
0	##	363	58	32	113	2	1.40	1	0
1	##	3236	60	35	39	2	1.60	0	0
1	##	624	44	19	34	1	0.30	0	0
0	##	3932	53	27	170	1	1.00	1	0
1	##	2573	62	32	33	1	1.50	0	0
1	##	1267	64	39	113	1	0.80	0	0
0	##	3329	45	20	22	1	0.10	1	0
0	##	2373	34	10	45	3	2.80	1	0
1	##	702	44	19	62	3	0.80	0	0
0	##	1378	27	3	109	2	2.50	1	0
1	##	959	55	29	78	4	2.60	0	0
1	##	4378	33	8	145	1	2.70	0	0
0	##	2273	27	3	90	3	0.80	1	0

## 4880	40	15	43	4	1.70	1	0
0							
## 1489	38	12	39	2	0.30	1	0
0							
## 397	50	24	29	4	0.10	1	0
0							
## 3044	47	22	42	3	2.70	0	1
0							
## 4790	58	34	84	4	1.60	0	1
0							
## 744	61	37	40	4	2.20	1	0
0							
## 564	51	27	12	4	1.00	1	0
0							
## 1592	39	13	72	2	2.80	1	0
0							
## 2290	59	35	68	1	1.80	0	0
1							
## 3482	52	26	34	1	0.30	0	0
1							
## 3459	48	23	191	2	2.80	1	0
0							
## 87	40	16	42	4	2.20	0	1
0							
## 4313	41	15	93	1	2.80	0	0
1							
## 860	63	37	124	3	5.00	0	1
0							
## 2446	47	23	25	1	0.90	0	0
1							
## 628	45	19	70	3	2.10	1	0
0							
## 2399	53	29	90	2	0.30	1	0
0							
## 1104	38	14	49	1	1.80	1	0
0							
## 1493	33	8	133	1	0.00	1	0
0							
## 4585	26	0	49	3	2.40	0	1
0							
## 4062	33	3	59	2	1.75	0	0
1							
## 4559	44	19	82	2	0.40	1	0
0							
## 1518	52	26	45	4	1.80	1	0
0							
## 2811	58	34	45	4	1.30	0	1
0							
## 1473	34	8	8	3	0.10	0	1
0							

## 815	33	8	45	2	0.10	1	0
0							
## 574	55	28	50	3	1.00	0	1
0							
## 4109	64	39	73	3	2.20	1	0
0							
## 644	45	21	152	2	1.40	1	0
0							
## 4481	55	30	145	2	6.00	0	0
1							
## 48	37	12	194	4	0.20	0	0
1							
## 3437	56	29	42	4	2.50	0	1
0							
## 1174	24	-1	35	2	1.70	0	1
0							
## 2608	57	33	49	4	1.50	1	0
0							
## 3854	45	21	83	4	2.00	0	0
1							
## 1529	34	9	134	1	4.60	1	0
0							
## 4358	39	14	141	4	6.30	1	0
0							
## 1590	57	32	124	1	0.20	0	1
0							
## 3352	52	26	191	1	1.70	1	0
0							
## 835	36	12	150	4	5.40	1	0
0							
## 2280	47	23	34	4	0.60	1	0
0							
## 1550	57	31	45	3	1.40	1	0
0							
## 4123	56	30	195	1	2.90	1	0
0							
## 2899	27	1	140	1	5.90	0	1
0							
## 1821	47	22	25	1	0.10	1	0
0							
## 4532	31	7	35	1	1.33	1	0
0							
## 4165	35	10	23	4	1.10	0	0
1							
## 601	56	30	141	2	0.50	1	0
0							
## 1759	40	14	54	2	0.70	1	0
0							
## 718	59	34	94	3	0.50	1	0
0							

0	##	2107	62	38	132	1	2.90	1	0
0	##	4898	43	18	44	1	2.40	1	0
1	##	1019	39	15	61	2	0.60	0	0
0	##	2020	43	17	44	1	0.20	1	0
1	##	3924	41	15	91	1	2.80	0	0
0	##	543	40	14	81	3	0.10	1	0
0	##	4596	32	7	101	4	2.20	0	1
1	##	296	60	34	64	2	1.70	0	0
1	##	1930	44	19	30	1	0.60	0	0
0	##	764	54	28	65	1	0.20	1	0
0	##	1734	40	16	125	2	2.20	1	0
1	##	4678	25	0	38	2	1.60	0	0
1	##	122	52	26	38	3	0.90	0	0
0	##	3047	37	12	63	3	2.30	1	0
1	##	498	48	22	94	4	2.60	0	0
1	##	1043	64	34	50	4	1.67	0	0
0	##	376	33	7	90	3	1.60	1	0
0	##	4676	35	11	32	1	1.33	1	0
0	##	2734	55	29	72	3	0.30	0	1
1	##	919	41	16	64	3	0.50	0	0
0	##	4975	59	33	64	4	1.70	0	1
0	##	1487	35	9	141	2	4.50	0	1
1	##	1366	60	35	43	3	0.90	0	0
0	##	854	27	2	155	1	0.80	1	0
0	##	525	24	-1	75	4	0.20	1	0

## 1814	61	36	55	3	0.90	0	0
1							
## 2490	29	3	41	4	0.20	1	0
0							
## 108	42	18	43	1	0.70	1	0
0							
## 4137	43	19	83	4	2.00	0	0
1							
## 2145	33	6	168	3	5.67	0	1
0							
## 3862	65	40	29	1	1.50	0	1
0							
## 4221	54	30	39	4	0.10	0	0
1							
## 3018	57	32	68	2	3.70	1	0
0							
## 2285	47	23	22	4	0.60	1	0
0							
## 2056	49	23	25	1	1.40	0	0
1							
## 396	60	35	64	2	2.80	1	0
0							
## 2507	66	42	39	1	1.90	0	1
0							
## 144	25	1	54	4	1.60	1	0
0							
## 1835	41	16	23	2	0.30	0	1
0							
## 3733	26	1	18	2	0.90	0	0
1							
## 3290	50	25	44	1	0.30	1	0
0							
## 252	54	28	170	2	6.20	0	1
0							
## 2504	38	14	20	4	0.40	0	1
0							
## 2069	61	37	13	2	0.30	0	0
1							
## 3591	32	7	64	2	0.10	1	0
0							
## 2346	65	40	89	1	4.10	1	0
0							
## 133	31	1	51	2	1.75	0	0
1							
## 4583	25	-1	69	3	0.30	0	0
1							
## 1641	36	10	55	1	2.00	1	0
0							
## 386	35	9	40	3	0.90	1	0
0							

## 1802	35	10	78	1	2.60	0	1
0							
## 290	42	15	24	3	1.00	0	1
0							
## 770	33	6	78	4	2.00	0	1
0							
## 902	57	33	24	4	0.70	1	0
0							
## 2158	25	0	71	4	0.20	1	0
0							
## 4297	35	9	84	4	2.20	0	1
0							
## 487	55	30	84	2	3.70	1	0
0							
## 4679	33	7	115	1	2.70	0	1
0							
## 4702	42	16	49	1	2.80	1	0
0							
## 3254	55	30	35	1	1.50	0	1
0							
## 4662	43	19	129	1	5.00	1	0
0							
## 908	64	40	15	2	0.30	0	0
1							
## 3363	30	4	18	2	0.30	0	1
0							
## 1800	38	14	28	4	0.40	0	1
0							
## 3714	46	20	74	3	0.70	0	1
0							
## 4286	23	-3	149	2	7.20	1	0
0							
## 4748	49	25	91	4	1.40	0	1
0							
## 2362	36	12	109	3	0.50	0	0
1							
## 457	64	39	42	3	0.50	0	1
0							
## 991	34	10	81	4	3.40	1	0
0							
## 3130	39	14	10	2	0.30	0	1
0							
## 4859	50	24	62	2	0.80	0	0
1							
## 583	44	18	72	1	0.70	0	0
1							
## 4279	56	31	51	3	1.70	1	0
0							
## 647	58	33	61	4	1.70	1	0
0							

## 4007	56	32	28	1	1.20	0	0
1							
## 2732	29	5	28	1	0.20	0	0
1							
## 4677	39	13	68	3	2.10	1	0
0							
## 3807	34	8	41	4	0.80	1	0
0							
## 4778	32	8	30	4	0.40	0	1
0							
## 1620	45	21	29	1	0.30	0	0
1							
## 3129	38	12	64	2	1.80	1	0
0							
## 553	28	3	52	4	2.20	1	0
0							
## 1780	34	9	68	1	2.80	1	0
0							
## 1864	48	22	43	1	1.20	0	1
0							
## 1443	39	13	71	3	0.10	1	0
0							
## 1787	35	11	34	1	1.50	0	1
0							
## 2037	46	19	19	3	0.67	0	1
0							
## 4030	31	5	90	2	1.30	1	0
0							
## 3408	58	32	19	4	0.70	0	0
1							
## 1031	61	35	112	4	1.70	0	0
1							
## 4789	36	10	39	1	2.00	1	0
0							
## 4330	59	33	10	4	0.70	0	0
1							
## 3027	44	20	81	4	0.80	1	0
0							
## 4525	48	24	79	3	0.70	1	0
0							
## 2531	56	30	31	4	1.50	0	0
1							
## 3417	61	37	62	1	0.00	0	1
0							
## 4518	45	18	50	3	2.50	0	1
0							
## 4451	44	20	45	2	2.50	1	0
0							
## 1587	59	33	50	2	2.30	0	0
1							

## 1651	31	6	83	4	2.20	0	1
0							
## 3402	39	15	28	1	1.40	0	0
1							
## 1630	53	29	154	4	7.40	0	0
1							
## 672	65	41	105	1	3.00	0	1
0							
## 2136	45	15	28	1	0.75	0	0
1							
## 151	46	22	118	2	7.50	1	0
0							
## 1524	41	16	104	1	1.00	0	0
1							
## 4085	60	36	59	1	0.00	0	1
0							
## 786	46	22	164	2	7.60	1	0
0							
## 3946	29	3	123	3	5.60	0	0
1							
## 827	48	21	23	3	0.67	0	1
0							
## 3635	59	35	73	4	2.30	0	0
1							
## 1418	42	18	52	2	2.50	1	0
0							
## 2616	57	32	68	4	0.70	1	0
0							
## 2684	51	25	19	1	1.40	0	0
1							
## 633	57	32	165	4	2.70	0	0
1							
## 776	65	39	23	3	0.70	0	1
0							
## 2839	30	6	181	3	4.10	0	1
0							
## 3213	61	35	59	1	2.80	0	1
0							
## 4332	61	37	158	2	6.00	1	0
0							
## 1131	58	32	191	1	2.90	1	0
0							
## 1890	56	30	111	4	0.30	1	0
0							
## 3976	50	23	25	1	0.50	0	1
0							
## 1203	35	11	24	4	0.40	0	1
0							
## 2997	42	18	103	1	3.33	1	0
0							

## 3835	48	22	28	1	1.40	0	0
1							
## 3160	57	33	62	3	2.67	1	0
0							
## 3384	46	22	135	3	4.10	1	0
0							
## 186	39	14	115	1	1.00	0	0
1							
## 2019	63	39	160	2	2.10	1	0
0							
## 2400	62	36	41	2	1.00	0	0
1							
## 2548	38	13	15	2	0.10	0	1
0							
## 1967	52	26	114	2	2.40	0	1
0							
## 4361	67	43	41	2	1.10	1	0
0							
## 347	44	19	50	3	2.70	0	1
0							
## 589	41	17	40	2	2.50	1	0
0							
## 2161	43	17	55	3	2.20	0	1
0							
## 4210	35	9	21	2	1.40	0	0
1							
## 4866	50	24	133	4	1.40	0	1
0							
## 1216	45	20	38	4	1.90	0	0
1							
## 2395	42	18	145	2	8.00	1	0
0							
## 231	47	22	92	1	2.80	0	1
0							
## 1774	31	5	28	4	0.80	1	0
0							
## 1792	48	22	139	1	0.00	1	0
0							
## 1584	61	36	184	4	2.30	0	1
0							
## 129	38	14	74	2	0.00	1	0
0							
## 2424	50	25	82	1	1.30	0	0
1							
## 3145	43	18	104	3	1.00	1	0
0							
## 3939	49	24	13	2	0.00	1	0
0							
## 2792	44	20	182	2	7.60	1	0
0							

## 314	34	9	41	3	2.30	1	0
0							
## 689	44	20	71	4	1.90	1	0
0							
## 823	61	35	60	3	1.40	0	0
1							
## 1866	36	6	90	4	1.80	0	0
1							
## 4687	61	35	113	2	2.80	1	0
0							
## 3773	35	10	152	2	3.00	1	0
0							
## 407	45	19	125	1	2.40	1	0
0							
## 2524	49	23	100	2	6.30	1	0
0							
## 280	39	14	155	2	3.90	1	0
0							
## 3579	29	5	128	2	4.10	0	1
0							
## 1210	46	21	52	3	2.70	0	1
0							
## 517	53	27	81	3	1.70	0	1
0							
## 4255	51	27	68	1	1.60	0	0
1							
## 3793	62	36	109	4	1.70	0	0
1							
## 3590	38	12	52	2	2.40	0	1
0							
## 669	66	41	18	3	0.50	1	0
0							
## 851	46	20	39	1	0.20	1	0
0							
## 3547	65	40	34	1	1.10	0	0
1							
## 3393	32	7	58	1	1.00	1	0
0							
## 4853	38	12	33	4	1.50	0	0
1							
## 3465	61	37	172	4	4.25	1	0
0							
## 3520	31	5	84	4	1.80	0	1
0							
## 4357	43	19	35	1	0.70	1	0
0							
## 793	41	16	98	1	4.00	0	0
1							
## 703	35	9	109	3	4.00	1	0
0							

0	##	324	59	34	99	1	4.40	1	0
0	##	3529	43	17	41	3	2.20	0	1
0	##	235	26	1	80	1	0.80	0	1
1	##	3641	64	34	53	4	1.67	0	0
0	##	1575	62	37	42	3	1.50	1	0
0	##	3390	27	3	88	3	0.80	1	0
1	##	2106	31	5	49	4	1.80	0	0
0	##	787	45	21	42	2	2.50	1	0
0	##	1591	49	23	58	4	2.60	1	0
0	##	1373	39	13	139	3	3.40	1	0
1	##	4502	59	33	38	3	2.20	0	0
0	##	2320	34	9	198	2	3.00	1	0
0	##	660	63	39	79	4	1.70	0	1
0	##	1038	35	11	40	1	2.40	0	1
1	##	4991	55	25	58	4	2.00	0	0
0	##	4407	50	25	24	4	0.40	0	1
0	##	3969	28	3	78	4	0.20	1	0
0	##	64	42	17	32	4	0.00	0	1
0	##	2924	51	27	12	2	0.20	1	0
0	##	2131	55	31	74	3	2.67	1	0
0	##	920	51	27	88	1	2.60	0	1
0	##	4398	48	23	19	1	0.10	1	0
1	##	626	52	28	64	2	1.00	0	0
0	##	306	60	35	22	1	1.30	1	0
1	##	2680	57	32	43	2	2.10	0	0

0	##	2506	33	7	43	4	0.80	1	0
0	##	375	30	5	98	2	3.10	1	0
0	##	284	61	36	40	3	0.50	0	1
1	##	1863	42	17	82	1	3.70	0	0
0	##	2308	56	31	60	3	1.70	1	0
1	##	1950	58	34	19	1	1.20	0	0
1	##	3237	44	14	19	1	0.75	0	0
0	##	416	35	8	38	4	1.00	0	1
1	##	4868	38	12	61	4	0.20	0	0
0	##	2605	37	10	35	4	1.00	0	1
0	##	1313	46	21	42	1	2.40	1	0
0	##	3127	57	32	74	4	0.70	1	0
0	##	1355	35	10	179	1	8.60	1	0
0	##	1108	47	21	79	3	1.10	1	0
1	##	4023	35	5	81	4	4.00	0	0
0	##	2223	45	20	41	1	0.30	1	0
0	##	3085	26	0	129	3	0.70	0	1
0	##	2111	28	4	104	3	2.50	1	0
0	##	4926	64	39	82	4	3.40	0	1
0	##	4206	61	36	139	2	3.90	1	0
0	##	3729	28	3	118	3	2.40	0	1
1	##	1198	48	23	8	1	0.40	0	0
0	##	384	44	18	53	1	0.20	1	0
0	##	4557	55	29	79	2	1.10	1	0
0	##	4846	45	21	128	1	4.70	1	0

## 452	28	-2	48	2	1.75	0	0
1							
## 4968	41	16	69	1	0.10	0	1
0							
## 4873	27	3	69	3	0.70	0	1
0							
## 153	57	32	24	1	1.30	1	0
0							
## 3451	29	4	14	4	0.50	0	0
1							
## 4593	43	18	53	3	0.80	0	0
1							
## 3781	49	25	109	2	6.80	1	0
0							
## 479	44	20	150	2	3.30	1	0
0							
## 1922	45	21	63	1	0.80	0	0
1							
## 352	28	4	155	4	5.30	0	1
0							
## 1492	38	12	38	2	0.30	1	0
0							
## 197	48	24	165	1	5.00	1	0
0							
## 4083	32	6	83	4	2.20	0	1
0							
## 4530	27	0	40	4	1.00	0	0
1							
## 4908	34	9	101	3	0.60	0	1
0							
## 2389	64	39	23	3	0.50	1	0
0							
## 1876	27	3	112	3	2.50	1	0
0							
## 4186	26	2	82	2	2.50	1	0
0							
## 4064	47	21	24	2	0.10	0	0
1							
## 2664	54	28	78	4	4.90	1	0
0							
## 4234	32	7	134	2	3.30	1	0
0							
## 779	62	36	92	2	0.70	0	1
0							
## 635	57	31	32	3	1.40	1	0
0							
## 3647	34	9	141	3	6.90	0	1
0							
## 1812	28	3	11	4	0.50	0	0
1							

0	##	249	55	29	99	2	1.40	1	0
0	##	2038	35	8	52	2	1.00	0	1
0	##	4740	62	38	174	1	4.70	1	0
0	##	101	48	23	74	1	1.20	1	0
0	##	3665	48	24	43	3	1.90	0	1
1	##	520	34	9	48	1	2.50	0	0
1	##	4716	65	39	35	1	0.50	0	0
1	##	4331	62	37	44	1	1.10	0	0
0	##	4535	41	17	83	4	2.67	1	0
0	##	4756	59	35	151	2	6.00	1	0
1	##	650	25	-1	82	4	2.10	0	0
1	##	4110	27	0	30	4	1.00	0	0
1	##	4014	62	38	23	2	0.30	0	0
1	##	617	40	14	33	2	1.40	0	0
0	##	2599	46	20	9	1	0.20	1	0
1	##	1846	43	18	65	2	2.20	0	0
0	##	3327	53	27	174	1	2.90	0	1
0	##	3680	49	23	134	2	6.30	1	0
0	##	1428	31	5	85	2	1.30	1	0
0	##	4105	38	14	25	4	1.00	1	0
1	##	1247	48	22	59	1	1.40	0	0
1	##	3338	59	29	61	3	2.00	0	0
0	##	2465	60	36	32	3	0.40	0	1
0	##	2577	60	36	30	4	1.30	1	0
1	##	909	66	36	55	4	1.67	0	0

## 1600	50	24	124	1	4.90	1	0
0							
## 3033	47	22	19	1	0.40	0	0
1							
## 586	34	4	83	4	4.00	0	0
1							
## 2622	45	18	42	3	2.50	0	1
0							
## 812	63	33	52	4	1.67	0	0
1							
## 2480	55	30	82	4	3.80	0	1
0							
## 1562	46	20	73	1	1.50	0	1
0							
## 1653	48	18	182	4	6.00	0	0
1							
## 338	57	27	68	1	1.40	0	0
1							
## 2737	53	29	12	1	0.30	1	0
0							
## 4754	46	21	85	1	0.20	0	1
0							
## 206	38	12	91	4	1.40	0	1
0							
## 3137	60	34	65	3	2.20	0	0
1							
## 442	52	27	43	1	1.30	0	1
0							
## 2267	38	13	143	1	4.10	1	0
0							
## 590	31	7	128	1	6.00	1	0
0							
## 1372	58	32	65	3	2.50	1	0
0							
## 4354	61	36	25	2	0.50	0	1
0							
## 817	49	23	65	3	0.70	0	1
0							
## 2823	30	5	30	4	0.80	1	0
0							
## 2045	51	25	102	1	0.30	1	0
0							
## 220	56	30	61	1	2.20	0	0
1							
## 4836	65	39	25	2	0.40	1	0
0							
## 2214	61	37	45	1	0.80	1	0
0							
## 1647	52	26	93	1	2.40	1	0
0							

0	##	552	59	34	14	1	0.10	1	0
0	##	3663	35	9	164	2	0.00	1	0
0	##	522	48	24	75	4	1.40	0	1
0	##	611	52	28	81	3	1.80	0	1
0	##	217	27	3	125	2	0.60	1	0
0	##	4287	53	29	20	1	0.20	1	0
1	##	4771	35	5	93	4	1.80	0	0
0	##	2493	28	3	134	2	3.10	1	0
0	##	3063	39	14	75	1	0.10	0	1
0	##	4733	39	13	69	3	0.10	1	0
0	##	2512	51	27	92	4	3.00	1	0
1	##	3631	41	16	79	1	4.00	0	0
0	##	271	60	36	63	4	2.20	1	0
0	##	1299	38	14	74	1	3.60	0	1
0	##	2871	43	17	91	1	5.20	1	0
0	##	4348	58	33	22	3	0.20	1	0
0	##	4674	50	23	18	2	1.00	0	1
1	##	27	40	16	83	4	0.20	0	0
1	##	561	43	18	59	1	3.70	0	0
0	##	2672	62	37	128	1	2.50	1	0
0	##	2724	54	29	72	2	3.70	1	0
0	##	2937	49	22	81	3	2.00	0	1
0	##	2464	35	9	44	4	0.20	1	0
1	##	1747	62	36	25	3	0.30	0	0
1	##	3766	26	0	54	3	0.30	0	0

## 5000	28	4	83	3	0.80	1	0
0							
## 4840	34	8	52	4	0.20	1	0
0							
## 251	30	6	29	3	1.00	0	1
0							
## 888	41	16	118	2	3.30	1	0
0							
## 3115	29	4	55	4	2.00	0	1
0							
## 4219	52	27	43	4	0.20	0	1
0							
## 2693	46	20	82	2	1.70	0	1
0							
## 3531	54	28	49	4	2.80	0	1
0							
## 4395	57	31	25	2	0.70	0	1
0							
## 1598	66	41	11	3	0.10	0	0
1							
## 213	46	22	69	2	1.70	1	0
0							
## 3564	53	27	139	1	0.90	0	0
1							
## 4921	42	16	28	4	1.50	0	0
1							
## 1088	38	13	54	3	0.70	0	1
0							
## 625	33	6	54	2	1.67	0	1
0							
## 2761	32	7	49	3	2.30	1	0
0							
## 1161	28	1	40	1	2.00	0	1
0							
## 859	45	19	19	3	0.50	0	1
0							
## 3572	42	18	153	3	5.60	1	0
0							
## 1071	36	9	40	2	1.00	0	1
0							
## 2252	31	5	54	4	2.20	0	1
0							
## 3967	33	7	84	1	2.90	0	0
1							
## 4816	58	32	99	2	1.40	1	0
0							
## 503	44	19	70	1	0.10	0	1
0							
## 3927	48	23	43	2	1.30	1	0
0							

0	##	2095	57	31	64	3	2.50	1	0
0	##	2541	49	23	41	4	0.10	1	0
0	##	2532	59	35	14	2	1.00	1	0
1	##	1370	57	33	43	1	1.80	0	0
1	##	2439	62	37	29	1	0.30	0	0
0	##	1761	41	16	33	4	0.00	0	1
0	##	2864	29	5	70	4	0.00	1	0
1	##	979	52	26	68	1	0.80	0	0
0	##	3152	43	19	20	3	0.50	1	0
1	##	1750	46	22	52	2	2.10	0	0
1	##	55	29	5	44	1	0.20	0	0
1	##	2284	54	28	79	4	2.60	0	0
1	##	4180	29	3	91	1	3.40	0	0
0	##	4794	45	21	59	2	2.50	1	0
0	##	4792	59	35	43	4	0.40	1	0
1	##	490	53	28	43	2	2.10	0	0
0	##	3478	34	10	131	2	4.33	1	0
1	##	2130	35	10	58	4	0.70	0	0
0	##	2116	57	31	30	3	1.40	1	0
1	##	656	50	25	13	2	0.70	0	0
1	##	679	52	27	61	4	1.80	0	0
1	##	2022	46	20	103	4	4.80	0	0
1	##	4293	63	37	191	2	4.30	0	0
1	##	4935	26	0	85	2	1.60	0	0
0	##	4808	40	14	53	1	2.00	1	0

## 1039	56	30	145	4	5.70	0	1
0							
## 3480	31	6	64	2	2.50	1	0
0							
## 4079	36	12	58	1	3.60	0	1
0							
## 1080	54	30	145	2	6.80	1	0
0							
## 4635	42	17	29	1	0.60	0	0
1							
## 3653	35	9	69	4	2.20	0	1
0							
## 1252	39	13	31	2	0.80	0	0
1							
## 2826	35	10	48	1	2.50	0	0
1							
## 2476	52	26	79	3	0.80	1	0
0							
## 1742	45	21	121	1	4.70	1	0
0							
## 3188	43	18	41	1	0.50	0	0
1							
## 2071	62	37	95	3	0.50	1	0
0							
## 4090	30	4	85	4	2.10	0	0
1							
## 2391	33	9	41	3	2.00	1	0
0							
## 4465	60	35	29	3	0.20	1	0
0							
## 1238	38	13	169	1	6.80	0	0
1							
## 413	45	20	89	4	1.90	0	0
1							
## 203	30	3	68	4	2.00	0	1
0							
## 4202	61	36	89	3	0.50	1	0
0							
## 3266	40	14	61	3	0.50	0	0
1							
## 2564	39	13	94	1	1.50	0	0
1							
## 3689	51	26	179	1	8.10	1	0
0							
## 1130	30	4	73	3	3.30	1	0
0							
## 1546	55	29	131	2	2.70	1	0
0							
## 1037	53	28	55	4	0.90	1	0
0							

0	##	2469	49	23	133	1	7.30	1	0
1	##	3891	42	17	139	2	2.90	0	0
0	##	2626	61	36	108	4	3.40	0	1
0	##	139	59	34	42	3	1.50	1	0
0	##	1259	34	8	31	1	0.30	1	0
0	##	1093	25	1	70	4	2.60	1	0
0	##	4220	58	34	30	3	0.40	0	1
1	##	4470	40	14	53	3	0.50	0	0
0	##	1436	43	17	55	1	0.20	1	0
0	##	4172	58	31	49	4	2.50	0	1
0	##	805	54	28	34	4	0.70	0	1
1	##	2291	38	13	78	4	0.70	0	0
0	##	7	53	27	72	2	1.50	0	1
1	##	1103	29	3	84	1	2.90	0	0
0	##	799	29	2	38	1	2.00	0	1
0	##	4435	35	9	51	4	2.20	0	1
1	##	3703	50	25	160	4	4.30	0	0
0	##	2430	33	7	58	4	2.20	0	1
1	##	1654	26	1	24	2	0.90	0	0
0	##	427	42	18	75	3	2.33	1	0
0	##	863	50	23	15	2	1.00	0	1
0	##	4271	45	19	19	3	1.50	1	0
0	##	3199	34	9	55	4	2.00	0	1
1	##	266	49	23	23	4	0.60	0	0
1	##	3784	60	34	51	3	1.40	0	0

0	## 1716	39	13	25	3	0.20	0	1
1	## 4453	59	35	53	4	2.30	0	0
0	## 582	28	3	55	4	2.20	1	0
0	## 576	54	30	93	1	2.70	0	1
0	## 3949	37	12	123	4	3.10	0	1
0	## 1817	45	19	91	2	1.70	0	1
1	## 3114	31	5	50	4	2.10	0	0
0	## 1063	47	21	83	1	3.80	1	0
0	## 2253	58	32	41	3	1.40	1	0
1	## 225	52	27	58	4	1.80	0	0
1	## 2956	54	29	44	2	2.30	0	0
0	## 3060	61	36	128	1	2.60	1	0
0	## 2151	62	38	54	1	0.80	1	0
0	## 1482	35	9	179	2	0.00	1	0
0	## 185	52	26	63	2	1.50	0	1
0	## 4667	34	9	72	3	2.30	1	0
1	## 4963	46	20	122	3	3.00	0	0
0	## 513	39	14	54	3	3.00	1	0
0	## 1674	29	5	81	2	2.50	1	0
0	## 1701	43	16	71	3	2.33	0	1
0	## 245	41	17	78	4	0.80	1	0
1	## 4900	54	29	85	4	1.30	0	0
0	## 4539	51	24	85	3	2.00	0	1
0	## 3679	49	25	30	4	0.60	1	0
0	## 2888	40	16	109	2	2.20	1	0

0	##	3842	30	4	81	2	0.20	1	0
1	##	2631	63	37	113	4	1.70	0	0
0	##	615	37	12	180	1	8.60	1	0
0	##	2928	43	17	124	1	5.20	1	0
1	##	450	61	37	60	3	2.00	0	0
0	##	1912	60	35	52	3	0.50	0	1
1	##	665	54	30	64	1	1.80	0	0
0	##	4931	63	38	110	3	1.80	0	1
0	##	1670	43	18	21	2	1.40	0	1
0	##	4800	44	20	33	4	0.30	1	0
0	##	4918	36	10	33	4	1.20	0	1
0	##	614	60	35	108	1	0.90	1	0
0	##	3313	47	22	190	2	8.80	1	0
0	##	1090	53	29	94	4	1.00	0	1
0	##	1185	34	9	71	4	1.30	1	0
0	##	1157	49	25	13	4	0.20	1	0
0	##	1249	44	19	35	4	0.00	0	1
1	##	3715	49	23	65	2	0.40	0	0
0	##	1798	35	10	143	1	8.60	1	0
0	##	740	49	23	82	2	2.40	0	1
0	##	2261	39	14	15	2	0.30	0	1
0	##	493	60	36	38	4	1.30	1	0
1	##	4578	63	37	80	2	1.70	0	0
1	##	4296	65	41	91	2	0.00	0	0
0	##	2403	48	21	23	3	0.67	0	1

1	## 39	42	18	141	3	5.00	0	0
0	## 3833	62	38	158	2	2.10	1	0
1	## 2912	30	4	54	4	1.80	0	0
0	## 1552	50	25	192	2	2.80	1	0
0	## 3176	43	18	74	4	0.40	1	0
0	## 4526	36	11	110	1	3.80	1	0
1	## 3257	34	9	41	1	2.50	0	0
1	## 721	58	32	38	1	2.20	0	0
0	## 4112	43	17	21	3	1.50	1	0
0	## 1665	61	35	63	1	1.60	1	0
1	## 658	38	8	23	1	0.67	0	0
0	## 1961	44	19	30	4	0.00	0	1
1	## 3449	43	18	85	4	1.90	0	0
0	## 1432	58	34	128	1	7.40	1	0
0	## 1483	60	35	8	1	0.10	1	0
0	## 4385	45	20	61	3	2.70	0	1
0	## 2955	31	7	42	1	2.40	0	1
0	## 2891	48	24	18	4	0.20	1	0
0	## 814	50	25	130	1	1.10	0	1
0	## 1377	63	39	45	4	1.30	0	1
0	## 364	25	0	30	2	1.70	0	1
1	## 800	29	3	39	4	2.10	0	0
1	## 2787	36	10	83	1	2.80	0	0
1	## 4683	55	25	44	3	1.00	0	0
0	## 1671	38	14	25	4	0.40	0	1

## 2714	44	18	129	1	5.70	1	0
0							
## 1044	51	27	21	3	0.40	1	0
0							
## 2321	46	22	84	4	2.00	0	0
1							
## 2843	36	11	90	1	2.80	1	0
0							
## 3247	41	17	81	1	0.80	0	1
0							
## 327	52	27	80	1	1.30	0	0
1							
## 3804	42	18	83	4	2.00	0	0
1							
## 3800	37	11	44	4	0.20	1	0
0							
## 3750	43	19	70	3	2.33	1	0
0							
## 1311	62	36	21	3	0.30	0	0
1							
## 4565	58	32	28	2	0.30	1	0
0							
## 2654	30	5	121	2	3.10	1	0
0							
## 837	42	17	74	3	3.00	1	0
0							
## 3455	47	21	132	1	0.30	1	0
0							
## 1205	26	1	190	4	1.30	0	1
0							
## 4690	51	27	43	4	1.10	0	1
0							
## 4228	32	7	111	1	3.80	1	0
0							
## 1768	41	14	74	3	2.33	0	1
0							
## 2807	53	27	59	2	0.80	0	0
1							
## 953	44	20	180	2	7.60	1	0
0							
## 2296	53	23	39	3	1.00	0	0
1							
## 2738	57	31	159	2	0.50	1	0
0							
## 4685	59	34	103	1	2.60	1	0
0							
## 4566	33	8	120	2	4.20	0	0
1							
## 1775	43	18	83	3	0.50	0	0
1							

0	##	3602	37	13	75	3	2.60	0	1
0	##	3562	30	6	31	3	1.00	0	1
0	##	1693	58	32	32	3	1.40	1	0
0	##	2585	59	34	114	3	4.20	0	1
1	##	3776	32	6	31	2	2.00	0	0
0	##	3316	48	22	80	3	1.10	1	0
1	##	2064	56	30	32	2	0.40	0	0
0	##	1852	34	8	60	4	2.20	0	1
0	##	838	30	4	24	1	0.40	0	1
1	##	4576	53	27	115	2	0.50	0	0
1	##	3212	35	9	83	2	4.50	0	0
0	##	3712	27	1	20	4	0.40	1	0
0	##	4408	37	13	71	2	1.70	0	1
0	##	378	30	5	40	4	2.00	0	1
0	##	607	34	8	81	3	0.90	0	1
1	##	1300	50	25	14	2	0.70	0	0
0	##	4352	30	3	32	1	2.00	0	1
0	##	534	27	2	101	1	1.90	1	0
0	##	3878	29	4	41	1	1.00	1	0
0	##	1603	40	14	74	4	1.40	0	1
0	##	1558	51	25	41	4	1.80	1	0
0	##	556	34	8	35	4	0.80	1	0
0	##	3322	41	15	120	1	5.20	1	0
0	##	3003	37	13	95	2	1.70	0	1
1	##	250	26	1	55	3	2.60	0	0

1	##	4860	34	8	165	1	7.00	0	0
0	##	2435	38	12	93	1	5.20	1	0
1	##	945	41	15	22	4	1.50	0	0
0	##	2772	41	16	115	1	7.00	1	0
0	##	2394	53	28	14	4	0.80	1	0
1	##	730	58	28	90	1	3.00	0	0
0	##	1279	36	10	74	1	2.50	1	0
1	##	3432	64	38	63	2	1.70	0	0
0	##	4185	51	25	99	2	2.40	0	1
0	##	749	41	17	14	1	1.00	1	0
0	##	190	55	29	112	2	1.40	1	0
1	##	224	55	25	41	3	1.00	0	0
0	##	3624	28	3	45	4	1.70	0	1
0	##	4238	60	34	78	3	4.40	1	0
0	##	124	37	13	84	1	3.60	0	1
1	##	3448	54	29	25	4	0.10	0	0
0	##	4068	52	28	21	4	0.50	0	1
0	##	4805	58	32	40	1	2.80	0	1
0	##	2944	56	32	83	4	1.60	0	1
0	##	3268	59	35	21	2	1.00	1	0
0	##	4548	50	25	32	2	0.70	0	1
0	##	808	52	27	162	1	8.10	1	0
1	##	2708	35	9	131	3	0.30	0	0
0	##	4237	37	12	128	2	3.90	1	0
0	##	264	27	1	74	4	1.80	0	1

1	##	2765	31	5	84	1	2.90	0	0
0	##	2240	55	29	42	4	2.50	1	0
0	##	4262	53	28	18	4	0.80	1	0
0	##	9	35	10	81	3	0.60	0	1
1	##	3721	63	39	131	3	2.60	0	0
1	##	3695	38	8	21	1	0.67	0	0
0	##	3892	65	40	63	3	0.50	0	1
0	##	3022	54	28	159	2	0.50	1	0
0	##	2423	58	32	163	2	0.50	1	0
1	##	2169	55	29	64	4	2.60	0	0
0	##	3111	44	20	30	4	0.30	1	0
0	##	4657	47	21	38	3	0.60	0	1
0	##	1526	43	18	58	1	2.40	1	0
0	##	4194	62	37	31	3	0.20	1	0
0	##	4152	44	18	123	3	5.90	1	0
0	##	401	36	10	179	3	6.60	1	0
0	##	3942	57	33	79	1	2.70	0	1
0	##	3279	31	6	132	1	3.80	1	0
0	##	684	40	16	82	1	3.60	0	1
0	##	3008	63	37	11	1	0.80	0	1
1	##	34	30	6	18	3	0.90	0	0
1	##	4028	46	21	42	4	1.90	0	0
0	##	3728	56	30	31	2	0.30	1	0
0	##	4613	32	6	18	2	0.30	0	1
1	##	1997	49	24	38	1	1.40	0	0

## 2046	52	28	44	4	0.90	0	1
0							
## 3288	39	13	32	2	0.80	0	0
1							
## 4303	52	27	85	3	3.40	0	0
1							
## 2751	57	33	24	1	0.10	0	1
0							
## 877	40	14	58	2	2.80	1	0
0							
## 2374	33	9	184	2	4.80	0	1
0							
## 3299	56	32	11	2	0.30	1	0
0							
## 4300	30	5	73	1	2.60	0	1
0							
## 1302	41	17	153	1	1.70	1	0
0							
## 3755	63	37	112	4	2.40	0	0
1							
## 82	47	22	40	3	2.70	0	1
0							
## 571	49	25	161	3	6.50	0	1
0							
## 4382	33	8	39	4	0.80	1	0
0							
## 1060	28	2	11	1	0.10	0	1
0							
## 855	52	28	90	1	2.60	0	1
0							
## 830	55	30	81	4	3.80	0	1
0							
## 4857	56	31	80	4	1.30	0	0
1							
## 1468	62	36	29	2	0.70	0	0
1							
## 3799	55	25	35	3	1.00	0	0
1							
## 592	30	5	51	1	1.00	1	0
0							
## 1631	41	17	99	2	1.80	0	1
0							
## 289	44	19	172	2	4.30	0	0
1							
## 4509	27	2	85	1	1.90	1	0
0							
## 1322	27	3	123	1	5.40	1	0
0							
## 1882	46	19	82	3	2.67	0	1
0							

0	##	2206	63	37	101	2	2.80	1	0
1	##	68	53	23	45	4	2.00	0	0
0	##	4132	48	23	23	4	0.40	0	1
1	##	828	63	37	45	2	1.00	0	0
0	##	4282	28	1	34	4	1.50	0	1
0	##	4807	62	37	39	3	1.50	1	0
0	##	1691	26	1	102	1	1.90	1	0
0	##	3759	47	23	199	2	6.67	1	0
0	##	3575	56	30	64	3	0.30	0	1
0	##	173	38	13	171	2	7.80	1	0
0	##	391	45	19	45	1	0.20	1	0
0	##	2350	59	35	94	1	4.30	1	0
0	##	4226	43	18	204	2	8.80	1	0
1	##	505	40	10	44	3	2.00	0	0
1	##	379	47	23	38	2	2.10	0	0
0	##	2289	35	11	72	3	2.60	0	1
0	##	3444	44	18	54	1	2.80	1	0
0	##	3553	51	27	22	4	0.50	0	1
1	##	935	58	33	81	2	0.00	0	0
0	##	1958	29	4	121	2	3.30	1	0
1	##	1316	49	25	53	2	1.00	0	0
1	##	1144	33	7	120	1	3.20	0	0
0	##	3469	43	19	113	2	1.80	0	1
1	##	2814	48	22	14	2	0.10	0	0
0	##	4168	48	24	144	4	3.50	0	1

0	##	3846	26	1	54	4	0.60	0	1
0	##	1061	59	34	23	1	0.10	1	0
1	##	2878	58	32	74	2	2.30	0	0
0	##	2408	39	15	100	1	0.80	0	1
0	##	3450	57	32	135	3	4.80	0	1
0	##	2438	65	40	114	4	3.40	0	1
1	##	90	25	-1	113	4	2.30	0	0
0	##	2609	61	35	79	2	2.00	1	0
0	##	2836	42	16	32	3	1.50	1	0
0	##	1623	39	14	24	2	0.30	0	1
0	##	1514	45	21	183	2	1.40	1	0
1	##	3151	47	22	124	4	5.00	0	0
0	##	377	45	21	61	3	0.70	1	0
1	##	2600	44	20	71	4	2.00	0	0
0	##	2699	38	14	122	2	8.00	1	0
0	##	4927	37	13	83	2	1.70	0	1
0	##	1689	60	34	108	2	2.00	1	0
1	##	1005	53	23	65	4	2.00	0	0
1	##	3510	38	12	61	3	0.90	0	0
0	##	4101	27	2	41	2	1.70	0	1
0	##	1954	49	25	22	4	0.20	1	0
1	##	3387	35	10	142	4	0.80	0	0
0	##	46	57	31	52	4	2.50	1	0
0	##	248	53	29	120	4	2.70	0	1
0	##	1511	57	32	33	2	2.00	0	1

## 773	54	28	165	1	4.10	0	0
1							
## 3524	29	4	150	1	0.80	1	0
0							
## 3582	28	4	33	3	1.00	0	1
0							
## 3375	57	31	61	1	2.20	0	0
1							
## 3650	53	29	85	3	1.80	0	1
0							
## 1305	51	26	145	1	8.10	1	0
0							
## 2783	47	22	53	1	0.30	1	0
0							
## 4421	62	38	149	1	4.70	1	0
0							
## 4655	44	17	69	3	2.67	0	1
0							
## 4834	49	24	109	1	0.60	1	0
0							
## 40	38	13	80	4	0.70	0	0
1							
## 41	57	32	84	3	1.60	0	0
1							
## 1195	29	3	41	4	1.30	0	0
1							
## 143	33	9	48	1	2.10	0	0
1							
## 1608	55	29	21	4	0.70	0	0
1							
## 113	40	15	82	3	1.00	1	0
0							
## 555	28	2	149	2	7.20	1	0
0							
## 4076	30	4	40	4	0.80	1	0
0							
## 2648	61	37	155	1	2.90	1	0
0							
## 2255	46	22	53	2	1.70	1	0
0							
## 3158	23	-1	13	4	1.00	1	0
0							
## 2166	27	0	38	4	1.00	0	0
1							
## 4388	37	12	72	4	0.70	0	0
1							
## 2690	40	16	104	1	3.40	1	0
0							
## 115	39	14	39	3	0.50	0	0
1							

0	##	2908	45	20	40	2	1.30	1	0
0	##	4951	47	23	19	1	1.00	1	0
1	##	4386	56	32	23	1	1.20	0	0
1	##	431	51	26	113	1	1.30	0	0
0	##	3503	32	8	58	3	2.00	1	0
1	##	3625	58	28	70	1	1.40	0	0
0	##	794	24	-2	150	2	2.00	1	0
1	##	1947	53	23	58	4	2.00	0	0
0	##	3567	57	33	80	2	2.80	1	0
0	##	4087	50	26	11	4	0.20	1	0
0	##	4750	31	5	21	3	1.00	1	0
0	##	1298	61	35	90	4	1.90	0	1
1	##	1374	60	35	135	3	0.30	0	0
1	##	516	41	16	113	1	1.00	0	0
0	##	4280	39	15	80	2	1.80	0	1
0	##	4444	38	14	48	1	1.80	1	0
1	##	3159	54	28	64	2	0.80	0	0
0	##	2100	53	29	10	2	0.40	1	0
0	##	2705	38	13	191	2	3.00	1	0
0	##	2384	63	39	52	2	1.10	1	0
1	##	1830	59	29	45	3	2.00	0	0
0	##	1359	50	25	83	1	2.80	0	1
0	##	2867	46	22	141	2	3.30	1	0
1	##	1581	39	14	12	2	0.00	0	0
0	##	1862	62	38	161	1	2.90	1	0

1	## 911	60	36	79	1	1.80	0	0
1	## 4406	61	35	83	2	1.70	0	0
1	## 682	34	9	164	1	6.00	0	0
0	## 2579	45	21	164	1	5.00	1	0
0	## 667	52	26	112	1	2.40	1	0
1	## 3435	56	31	53	2	1.60	0	0
0	## 2810	42	16	185	3	2.20	0	1
0	## 715	50	23	98	3	2.00	0	1
1	## 515	27	1	74	3	0.30	0	0
1	## 798	42	17	61	3	0.50	0	0
0	## 2511	62	38	52	4	1.30	0	1
1	## 3652	49	23	140	1	1.90	0	0
0	## 1164	34	9	138	2	7.80	1	0
0	## 1778	52	27	34	2	0.70	0	1
0	## 2889	55	28	39	3	1.00	0	1
0	## 1875	37	11	82	3	0.90	0	1
1	## 4610	54	28	80	4	2.60	0	0
0	## 738	64	37	138	2	2.80	0	1
0	## 2522	49	23	29	4	1.80	1	0
0	## 2729	39	13	58	3	2.10	1	0
0	## 1594	63	38	83	3	1.80	0	1
0	## 4915	65	39	94	1	2.00	1	0
0	## 2002	44	17	128	2	3.25	0	1
1	## 202	35	9	20	2	1.40	0	0
0	## 4967	41	17	34	1	0.70	1	0

## 4291	66	42	95	2	0.00	0	0
1							
## 3202	28	3	81	4	0.20	1	0
0							
## 3502	65	39	105	4	1.70	0	0
1							
## 2756	37	11	22	3	0.10	0	1
0							
## 4595	53	27	31	3	0.90	0	0
1							
## 4659	36	11	69	4	2.10	0	0
1							
## 4400	48	23	21	1	0.10	1	0
0							
## 759	64	39	35	1	1.50	0	1
0							
## 1560	59	35	102	4	3.00	0	1
0							
## 2115	62	36	69	2	1.70	0	0
1							
## 2155	32	8	45	1	2.40	0	1
0							
## 4570	47	21	49	3	2.20	0	1
0							
## 891	55	29	29	4	1.50	0	0
1							
## 1258	63	37	41	1	0.50	0	0
1							
## 4999	65	40	49	3	0.50	0	1
0							
## 11	65	39	105	4	2.40	0	0
1							
## 2142	28	4	38	4	1.60	1	0
0							
## 1796	49	24	70	1	2.90	1	0
0							
## 3902	34	10	53	3	2.60	0	1
0							
## 2228	61	35	59	4	1.70	0	1
0							
## 2617	56	31	49	2	1.60	0	0
1							
## 699	64	38	59	1	2.50	0	0
1							
## 3277	55	31	159	1	3.90	0	0
1							
## 340	39	13	89	4	1.40	0	1
0							
## 3850	42	18	34	1	2.00	0	1
0							

1	##	3968	40	15	22	1	0.60	0	0
0	##	3426	23	-1	12	4	1.00	1	0
0	##	4826	56	32	84	2	1.60	1	0
0	##	900	30	3	172	3	3.40	0	1
0	##	4943	52	26	109	1	2.40	1	0
0	##	3086	55	29	71	3	0.30	0	1
0	##	2560	36	12	88	2	2.70	1	0
1	##	2288	30	6	29	1	0.20	0	0
0	##	3413	55	29	79	4	4.90	1	0
0	##	1554	46	22	83	3	0.70	1	0
0	##	4340	35	11	38	1	1.70	1	0
0	##	2235	36	12	35	4	0.40	0	1
0	##	1698	64	38	32	3	0.70	0	1
1	##	1376	50	26	179	1	2.90	0	0
1	##	4433	53	27	50	2	0.80	0	0
0	##	2565	43	16	25	3	1.00	0	1
1	##	857	62	38	42	1	1.80	0	0
0	##	1098	50	24	188	3	1.30	1	0
1	##	3738	44	19	30	1	0.50	0	0
0	##	4192	42	15	39	3	1.00	0	1
1	##	1142	32	7	143	3	2.90	0	0
1	##	2041	41	16	91	3	0.50	0	0
1	##	3119	64	39	114	1	0.80	0	0
0	##	3561	31	5	65	4	2.20	0	1
0	##	2934	47	22	42	3	2.70	0	1

0	##	2538	53	27	75	1	1.90	0	1
1	##	3907	61	35	60	1	2.50	0	0
0	##	4325	49	24	13	4	0.80	1	0
0	##	3941	41	17	53	2	2.50	1	0
0	##	4494	52	28	74	1	2.60	0	1
0	##	1000	60	35	18	1	1.50	0	1
0	##	1244	34	10	110	1	4.00	1	0
0	##	1632	61	36	153	1	2.60	0	1
1	##	2239	48	22	35	1	1.40	0	0
1	##	1939	30	4	38	1	1.90	0	0
1	##	4869	51	27	62	2	3.20	0	0
0	##	1773	36	11	15	2	0.30	0	1
0	##	2539	37	12	175	2	7.80	1	0
0	##	4847	35	10	135	3	4.80	0	1
0	##	4646	34	10	45	1	1.70	1	0
1	##	2089	39	9	29	3	2.00	0	0
1	##	619	63	37	42	2	0.70	0	0
1	##	1096	50	25	43	1	1.40	0	0
0	##	4920	41	16	68	3	3.00	1	0
1	##	2182	45	15	32	1	0.75	0	0
0	##	1636	49	24	70	1	2.90	1	0
0	##	1243	29	4	44	4	2.00	0	1
0	##	2282	57	32	31	3	1.30	0	1
1	##	2185	62	36	183	2	3.40	0	0
0	##	3517	45	21	38	3	0.60	0	1

0	##	1324	52	26	45	3	0.60	0	1
0	##	4231	62	36	115	2	2.80	1	0
0	##	162	61	35	80	2	2.80	1	0
1	##	237	43	18	89	3	0.50	0	0
0	##	4102	45	21	40	3	0.60	0	1
0	##	2663	65	41	158	2	2.10	1	0
0	##	4773	26	2	95	3	0.80	1	0
0	##	2365	59	35	88	2	1.60	1	0
0	##	873	32	7	44	4	0.80	1	0
1	##	2666	35	9	105	2	4.50	0	0
1	##	3769	42	16	62	1	0.70	0	0
0	##	4726	34	8	75	2	1.80	1	0
0	##	1291	62	38	100	4	1.70	0	1
0	##	1211	50	24	84	4	4.90	1	0
1	##	2877	24	-2	80	2	1.60	0	0
0	##	4810	43	19	32	3	0.60	0	1
0	##	3636	58	33	24	2	0.50	0	1
1	##	2129	65	40	40	1	1.10	0	0
0	##	2520	60	36	10	2	1.00	1	0
1	##	1528	57	33	45	1	1.80	0	0
0	##	53	30	6	72	1	0.10	1	0
0	##	2526	32	8	60	1	1.20	1	0
0	##	4108	47	22	81	1	2.90	1	0
0	##	1965	34	10	34	1	1.50	0	1
0	##	1578	34	8	65	1	3.00	1	0

## 426	28	3	28	4	0.80	1	0
0							
## 4993	30	5	13	4	0.50	0	0
1							
## 1827	59	33	35	1	0.20	1	0
0							
## 310	62	38	91	1	3.80	1	0
0							
## 1718	33	7	101	1	2.70	0	1
0							
## 3566	40	15	43	2	1.10	0	1
0							
## 616	63	37	139	2	6.90	1	0
0							
## 1261	57	31	40	3	1.40	0	0
1							
## 1092	41	17	48	3	0.30	0	0
1							
## 4620	61	36	23	1	0.10	1	0
0							
## 1411	60	35	44	4	2.10	1	0
0							
## 1964	62	38	50	2	1.10	1	0
0							
## 2211	58	33	51	2	1.90	0	1
0							
## 23	29	5	62	1	1.20	1	0
0							
## 3874	54	30	54	1	1.60	0	0
1							
## 547	27	2	68	3	2.60	0	0
1							
## 1645	59	35	33	4	0.40	1	0
0							
## 4414	29	2	31	4	1.50	0	1
0							
## 756	56	30	45	4	0.70	0	1
0							
## 4004	47	21	39	3	0.60	0	1
0							
## 4339	54	30	121	2	0.40	1	0
0							
## 1818	36	11	9	4	0.20	0	0
1							
## 829	35	9	28	4	1.00	1	0
0							
## 1782	52	26	19	2	0.70	0	1
0							
## 4213	50	23	9	1	0.50	0	1
0							

## 1160	50	26	23	4	0.20	1	0
0							
## 1163	38	14	112	2	2.20	1	0
0							
## 2872	65	39	82	4	2.40	0	0
1							
## 3626	47	21	71	4	2.90	1	0
0							
## 182	36	12	10	4	0.70	0	1
0							
## 3889	45	18	81	3	2.67	0	1
0							
## 1897	32	7	83	1	2.60	0	1
0							
## 2168	65	40	162	1	1.30	1	0
0							
## 451	51	25	69	1	0.30	1	0
0							
## 240	28	3	52	4	1.70	0	1
0							
## 1619	29	3	29	3	1.00	1	0
0							
## 294	45	19	93	4	2.60	0	0
1							
## 4649	37	11	75	3	0.90	0	1
0							
## 3475	49	24	42	2	0.70	0	1
0							
## 677	47	23	11	1	0.90	0	0
1							
## 2862	42	18	60	4	0.20	0	0
1							
## 2112	60	34	40	1	1.60	1	0
0							
## 3309	48	23	108	2	3.80	0	0
1							
## 4942	28	4	112	2	1.60	0	1
0							
## 4160	45	20	70	4	1.90	0	0
1							
## 72	53	29	69	4	1.00	0	1
0							
## 2828	37	11	84	4	2.20	0	1
0							
## 1332	31	7	84	1	0.10	1	0
0							
## 1981	45	19	141	1	2.40	1	0
0							
## 4143	57	32	70	3	1.60	0	0
1							

## 1929	58	34	35	1	1.20	0	0
1							
## 2032	60	35	80	3	0.50	1	0
0							
## 4551	65	40	18	1	1.50	0	1
0							
## 2602	50	24	32	1	1.40	0	0
1							
## 406	36	11	133	1	3.80	1	0
0							
## 4464	39	13	69	3	0.10	1	0
0							
## 1295	34	10	71	1	0.10	1	0
0							
## 965	27	1	78	4	2.30	0	0
1							
## 1169	62	37	38	1	1.10	0	0
1							
## 1685	60	34	83	2	2.00	1	0
0							
## 54	50	26	190	3	2.10	0	0
1							
## 4780	39	14	20	1	0.60	0	0
1							
## 4953	29	3	53	4	1.80	0	0
1							
## 777	50	26	135	2	4.60	0	0
1							
## 538	44	20	131	1	4.90	0	0
1							
## 2272	60	34	101	3	4.40	1	0
0							
## 4831	37	12	60	4	2.10	0	0
1							
## 2247	35	11	190	3	3.10	0	1
0							
## 3953	61	36	124	2	3.90	1	0
0							
## 4309	44	20	132	3	2.60	1	0
0							
## 4684	52	28	149	2	0.40	1	0
0							
## 3981	46	22	89	4	1.40	0	1
0							
## 1149	41	15	108	1	5.20	1	0
0							
## 3897	48	24	224	2	6.67	1	0
0							
## 4817	50	24	83	3	3.00	0	1
0							

## 1431	32	7	52	2	0.10	1	0
0							
## 2595	48	23	79	1	0.20	0	1
0							
## 4040	34	9	104	1	4.60	1	0
0							
## 1214	27	2	78	4	0.20	1	0
0							
## 3819	26	0	102	4	2.30	0	0
1							
## 4743	58	33	25	4	0.90	0	1
0							
## 569	34	9	41	2	0.10	1	0
0							
## 2604	53	27	60	1	0.20	1	0
0							
## 2198	60	35	34	1	0.30	0	0
1							
## 4837	54	24	72	3	1.40	0	0
1							
## 1983	58	33	18	3	0.10	0	1
0							
## 4022	40	14	42	2	0.30	1	0
0							
## 2163	39	13	74	3	0.90	0	1
0							
## 2222	59	33	73	2	1.70	0	0
1							
## 66	59	35	131	1	3.80	1	0
0							
## 2820	63	37	10	2	0.40	1	0
0							
## 92	35	10	29	4	1.10	0	0
1							
## 4011	44	19	40	4	1.90	0	0
1							
## 229	47	22	53	4	1.90	0	0
1							
## 1220	45	18	80	3	2.67	0	1
0							
## 2930	32	6	22	4	0.30	1	0
0							
## 580	57	33	88	1	2.70	0	1
0							
## 2060	28	3	173	2	6.70	1	0
0							
## 51	32	8	8	4	0.70	0	1
0							
## 4311	65	41	170	4	6.10	0	1
0							

0	##	3464	28	3	149	1	0.80	1	0
1	##	2359	53	27	63	2	0.80	0	0
1	##	1485	55	30	40	2	2.30	0	0
0	##	4473	50	25	90	1	2.80	0	1
1	##	2562	31	5	180	1	2.90	0	0
0	##	2301	66	41	70	3	2.20	1	0
0	##	3103	49	25	30	4	0.90	0	1
0	##	3491	33	9	38	1	1.33	1	0
0	##	1869	25	1	118	1	5.40	1	0
0	##	1740	33	7	83	1	2.50	1	0
0	##	1362	50	26	38	4	0.90	0	1
1	##	2188	54	30	40	2	1.00	0	0
0	##	4261	57	31	52	1	1.40	1	0
1	##	864	54	30	70	1	1.60	0	0
0	##	1228	39	13	30	3	0.20	0	1
0	##	2409	48	22	85	3	1.10	1	0
0	##	887	54	29	74	3	2.00	0	1
0	##	14	59	32	40	4	2.50	0	1
0	##	1951	36	12	38	1	1.50	0	1
0	##	2124	28	2	9	1	0.10	0	1
0	##	2334	45	21	61	3	0.70	1	0
1	##	4177	44	18	75	1	0.70	0	0
0	##	2766	54	29	28	4	0.20	0	1
1	##	244	65	39	170	3	7.90	0	0
0	##	2379	30	5	61	1	0.80	0	1

0	##	1996	35	11	41	1	2.40	0	1
0	##	2392	39	12	138	1	4.67	0	1
0	##	373	56	30	44	4	0.70	0	1
0	##	464	48	22	149	2	5.50	0	1
1	##	3948	32	8	119	4	5.00	0	0
1	##	1998	54	30	61	1	1.80	0	0
0	##	1209	50	26	48	1	1.60	0	1
0	##	2030	30	3	61	4	2.00	0	1
0	##	335	48	23	45	1	1.30	0	1
0	##	3167	29	4	80	1	0.80	0	1
1	##	1692	56	32	48	1	1.60	0	0
0	##	3752	26	2	12	4	1.00	1	0
0	##	642	35	10	139	2	7.80	1	0
1	##	1919	39	9	118	2	6.00	0	0
1	##	3216	40	15	19	4	0.20	0	0
0	##	110	43	17	49	1	2.80	1	0
0	##	1106	35	10	182	1	0.30	0	1
0	##	1762	52	27	45	2	2.00	0	1
0	##	4992	51	25	92	1	1.90	0	1
0	##	3758	45	21	142	1	1.40	0	1
0	##	3546	48	22	174	1	2.40	1	0
0	##	4529	48	23	48	1	0.30	1	0
0	##	3051	50	25	58	1	1.30	0	1
0	##	4625	36	11	83	1	2.80	1	0
0	##	1025	58	33	122	4	0.20	0	1

## 44	39	15	45	1	0.70	1	0
0							
## 2527	26	1	50	4	0.60	0	1
0							
## 2179	37	13	158	2	2.30	0	1
0							
## 4564	28	2	188	2	4.50	1	0
0							
## 1935	44	20	69	1	0.80	0	0
1							
## 4214	49	25	39	3	1.90	0	1
0							
## 2380	42	18	110	2	6.10	1	0
0							
## 3340	27	1	141	4	5.10	0	0
1							
## 2475	64	38	40	2	1.00	0	0
1							
## 4093	40	15	171	2	3.30	1	0
0							
## 602	58	32	38	1	1.40	1	0
0							
## 2695	45	19	85	3	2.10	1	0
0							
## 2044	57	32	25	2	0.20	0	0
1							
## 1423	32	8	32	2	1.00	0	1
0							
## 3555	37	13	72	4	2.00	0	0
1							
## 704	41	17	141	2	7.60	1	0
0							
## 4941	46	22	19	3	0.50	1	0
0							
## 3235	37	12	114	3	0.60	0	1
0							
## 4964	32	6	98	2	4.50	0	0
1							
## 3416	36	12	93	2	2.20	1	0
0							
## 3785	30	6	115	4	3.80	0	1
0							
## 2509	40	15	63	3	3.00	1	0
0							
## 459	48	24	20	1	1.00	1	0
0							
## 468	45	20	39	1	2.40	1	0
0							
## 1042	56	32	51	4	1.50	1	0
0							

## 4301	61	37	20	2	0.30	0	0
1							
## 4717	60	34	83	2	1.40	1	0
0							
## 4307	35	11	41	3	2.00	1	0
0							
## 332	32	6	28	3	1.00	1	0
0							
## 3241	62	36	63	1	1.60	1	0
0							
## 1936	34	9	191	1	4.80	0	0
1							
## 2051	41	15	29	2	0.80	0	0
1							
## 4118	39	14	18	4	0.20	0	0
1							
## 3645	59	33	41	4	2.50	1	0
0							
## 2943	29	5	160	1	4.30	1	0
0							
## 4788	48	22	42	3	0.60	0	1
0							
## 2287	62	36	42	1	0.50	0	0
1							
## 3732	34	8	10	1	0.40	0	1
0							
## 1439	63	37	90	4	1.90	0	1
0							
## 2848	44	18	21	1	0.20	1	0
0							
## 1801	57	33	45	3	1.50	1	0
0							
## 3687	60	35	122	1	1.30	1	0
0							
## 4753	39	14	178	1	4.10	1	0
0							
## 268	47	22	81	1	2.90	1	0
0							
## 4447	61	35	61	3	2.20	0	0
1							
## 196	34	10	13	4	1.00	1	0
0							
## 1865	61	36	61	2	2.80	1	0
0							
## 1010	28	3	25	2	0.90	0	0
1							
## 882	44	19	154	2	8.80	1	0
0							
## 853	33	7	29	1	0.60	0	0
1							

## 2356	56	31	74	3	1.60	0	0
1							
## 4765	56	32	88	4	1.00	0	1
0							
## 259	35	9	24	4	0.30	1	0
0							
## 3530	33	7	25	4	1.00	1	0
0							
## 1669	63	37	20	1	0.80	0	1
0							
## 3971	65	40	71	3	2.20	1	0
0							
## 708	47	20	25	3	0.67	0	1
0							
## 3324	60	35	20	1	1.30	1	0
0							
## 1702	29	3	108	4	1.80	0	1
0							
## 697	51	27	63	2	1.00	0	0
1							
## 4838	36	10	183	2	0.00	1	0
0							
## 4661	59	35	38	1	0.80	1	0
0							
## 4241	39	14	161	1	4.10	1	0
0							
## 2076	40	16	53	4	2.00	0	0
1							
## 2837	25	1	74	4	2.60	1	0
0							
## 4854	45	19	41	1	0.20	1	0
0							
## 1748	29	5	21	4	0.40	0	1
0							
## 4041	57	32	44	2	1.90	0	1
0							
## 692	45	18	48	3	2.50	0	1
0							
## 4905	64	40	88	1	3.80	1	0
0							
## 2874	48	23	35	1	0.10	1	0
0							
## 3655	53	28	61	4	0.90	1	0
0							
## 4071	58	33	70	4	0.70	1	0
0							
## 4490	39	13	21	3	0.20	0	1
0							
## 4584	52	26	83	1	3.10	1	0
0							

## 1035	49	23	84	3	2.10	1	0
0							
## 1125	38	12	29	4	0.20	1	0
0							
## 2887	50	25	58	1	1.30	0	1
0							
## 3122	28	2	13	4	0.40	1	0
0							
## 3621	53	29	132	2	0.30	1	0
0							
## 1899	50	24	43	4	0.10	1	0
0							
## 939	62	37	19	4	0.40	0	1
0							
## 997	33	6	49	2	1.67	0	1
0							
## 3864	34	10	21	4	0.70	0	1
0							
## 1448	52	28	145	2	6.80	1	0
0							
## 1457	36	11	39	4	1.70	1	0
0							
## 907	29	3	154	2	2.00	1	0
0							
## 3343	38	13	84	3	1.20	0	0
1							
## 1597	45	20	55	4	1.90	0	0
1							
## 3058	42	18	45	1	0.70	1	0
0							
## 686	35	8	48	2	1.67	0	1
0							
## 1989	52	28	18	1	0.30	1	0
0							
## 3422	49	23	125	1	2.40	1	0
0							
## 2789	45	20	30	1	0.10	1	0
0							
## 3326	48	23	35	2	1.30	1	0
0							
## 3325	57	31	41	1	1.40	1	0
0							
## 1512	58	32	65	3	2.20	0	0
1							
## 4839	56	30	44	4	2.50	1	0
0							
## 3735	43	19	72	4	0.20	0	0
1							
## 3542	45	20	144	4	5.40	1	0
0							

0	##	2667	32	7	100	3	0.60	0	1
0	##	924	55	30	28	1	1.50	0	1
0	##	221	32	6	25	2	0.30	1	0
0	##	1746	37	12	40	2	1.10	0	1
0	##	3245	48	24	24	4	0.20	1	0
0	##	2707	43	17	158	1	2.40	1	0
1	##	4037	46	21	13	2	0.70	0	0
0	##	3861	31	6	64	2	0.10	1	0
0	##	2200	49	24	51	1	1.30	0	1
1	##	4420	42	17	85	1	3.70	0	0
0	##	558	39	15	118	2	1.90	1	0
1	##	3143	34	8	175	4	1.10	0	0
0	##	3603	47	21	42	4	0.10	1	0
0	##	4543	53	29	20	1	0.20	1	0
1	##	2962	60	36	50	1	1.80	0	0
1	##	949	30	4	81	1	2.90	0	0
0	##	2941	27	3	43	3	0.10	0	1
0	##	1495	59	35	60	1	0.00	0	1
0	##	3100	65	40	115	1	2.50	1	0
1	##	4922	37	11	42	3	0.50	0	0
1	##	3707	58	33	51	2	1.60	0	0
0	##	3962	48	22	145	1	0.30	1	0
0	##	3229	27	2	45	2	1.70	0	1
0	##	1711	31	5	29	2	0.30	0	1
0	##	1806	51	26	15	2	0.00	1	0

## 4581	50	24	102	2	6.30	1	0
0							
## 3039	34	8	39	4	0.20	1	0
0							
## 4171	31	7	44	1	1.20	1	0
0							
## 2449	51	26	42	2	0.60	0	0
1							
## 4803	35	11	58	3	2.80	1	0
0							
## 1853	32	6	54	4	1.80	0	0
1							
## 2039	50	24	150	1	7.30	1	0
0							
## 2950	37	11	19	3	0.20	0	1
0							
## 3050	60	35	125	2	3.90	1	0
0							
## 2716	42	18	54	1	1.80	1	0
0							
## 2003	30	4	142	3	4.20	1	0
0							
## 104	43	18	22	2	0.30	0	1
0							
## 2372	32	6	111	2	1.50	0	0
1							
## 1583	43	19	170	4	4.25	1	0
0							
## 2935	37	13	195	2	6.50	1	0
0							
## 2377	58	33	23	3	0.20	1	0
0							
## 4919	50	25	42	2	0.70	0	1
0							
## 3315	38	13	41	4	1.70	1	0
0							
## 711	43	17	59	3	0.90	0	0
1							
## 2441	31	5	22	1	0.60	0	0
1							
## 3150	49	25	25	4	1.00	1	0
0							
## 2712	39	14	34	4	1.70	1	0
0							
## 4806	30	6	160	1	4.30	1	0
0							
## 1213	34	8	44	4	0.20	1	0
0							
## 305	48	23	22	1	0.10	1	0
0							

0	##	3362	31	5	85	3	1.60	1	0
0	##	1855	52	25	41	3	1.00	0	1
0	##	2669	60	35	113	1	0.90	1	0
0	##	1053	43	17	49	3	2.20	0	1
0	##	460	35	10	200	2	3.00	1	0
0	##	3013	29	3	172	2	4.50	1	0
1	##	4217	60	35	173	3	3.10	0	0
0	##	1330	28	4	32	3	1.00	0	1
1	##	1466	45	19	60	1	0.70	0	0
0	##	4510	55	30	53	3	1.70	1	0
0	##	2567	30	5	42	1	1.00	1	0
1	##	3986	65	40	32	1	1.10	0	0
0	##	3186	35	10	128	1	3.80	1	0
0	##	1453	54	28	52	4	2.50	1	0
0	##	4111	66	41	59	3	2.40	1	0
0	##	3198	34	10	29	1	1.50	0	1
0	##	482	33	9	53	1	1.20	1	0
0	##	3230	33	9	64	4	3.40	1	0
1	##	3522	36	10	30	2	0.80	0	0
0	##	539	31	5	11	1	0.40	0	1
0	##	4390	58	32	40	1	1.60	1	0
0	##	621	33	8	115	4	2.90	0	1
1	##	1610	66	41	105	1	0.80	0	0
0	##	1793	46	20	118	1	5.70	1	0
1	##	1236	54	28	60	4	2.60	0	0

1	## 463	29	4	183	3	8.30	0	0
0	## 566	55	29	79	3	0.80	1	0
0	## 1176	29	4	58	1	0.80	0	1
0	## 3545	45	19	109	3	1.10	1	0
1	## 4428	31	7	18	1	0.40	0	0
1	## 2096	47	21	174	4	3.20	0	0
1	## 2770	33	9	183	2	8.80	0	0
0	## 1438	28	3	123	1	0.80	1	0
0	## 4954	47	21	32	3	1.50	1	0
0	## 604	63	38	28	2	0.50	0	1
0	## 2788	60	34	152	2	6.90	1	0
0	## 3035	46	21	38	1	2.40	1	0
0	## 3744	40	14	78	4	1.40	0	1
0	## 3890	26	0	19	1	0.10	0	1
0	## 325	56	30	158	4	6.10	1	0
1	## 3920	64	34	179	2	4.50	0	0
1	## 263	49	23	33	1	0.30	0	0
0	## 1386	57	31	82	2	2.00	1	0
0	## 4879	34	9	41	1	1.00	1	0
1	## 4617	66	41	114	1	0.80	0	0
0	## 4013	30	6	124	2	0.60	1	0
0	## 2896	60	36	39	4	1.30	0	1
0	## 2382	33	9	49	1	2.40	0	1
0	## 323	63	39	101	1	3.90	1	0
0	## 1752	55	31	25	2	0.20	1	0

0	##	1281	65	40	98	3	1.80	0	1
0	##	1857	51	24	21	2	1.00	0	1
0	##	637	40	16	120	2	6.10	1	0
0	##	3463	58	33	28	2	0.50	0	1
1	##	3214	39	9	32	3	2.00	0	0
1	##	2186	54	30	69	1	1.60	0	0
1	##	3032	51	25	29	1	1.40	0	0
1	##	4732	37	11	29	2	1.40	0	0
0	##	208	34	10	71	4	0.10	0	1
0	##	3904	47	23	65	1	0.00	1	0
1	##	467	25	0	13	2	0.90	0	0
1	##	16	60	30	22	1	1.50	0	0
0	##	36	48	24	81	3	0.70	1	0
1	##	2685	30	5	98	4	1.80	0	0
0	##	3977	60	33	42	4	2.50	0	1
0	##	3737	54	30	78	3	1.80	0	1
0	##	928	65	40	95	3	3.70	0	1
0	##	3089	56	31	28	1	1.30	1	0
0	##	1962	52	26	114	1	4.90	1	0
0	##	1984	31	5	20	2	0.30	1	0
1	##	130	41	16	70	3	0.50	0	0
0	##	560	49	25	24	4	0.20	1	0
0	##	1867	48	24	90	1	2.60	0	1
0	##	2028	38	12	179	2	0.00	1	0
1	##	1557	31	1	60	4	4.00	0	0

0	##	2857	36	10	172	4	1.00	0	1
0	##	1828	56	30	113	2	2.70	1	0
0	##	3243	38	14	33	1	2.00	0	1
0	##	1570	51	27	44	3	1.90	0	1
0	##	1745	28	3	29	4	0.80	1	0
0	##	215	54	28	94	1	1.90	0	1
0	##	3611	32	6	93	3	1.60	1	0
0	##	1079	51	27	39	2	0.80	1	0
1	##	2418	25	0	53	2	1.60	0	0
1	##	2645	40	14	28	2	0.80	0	0
1	##	3649	43	13	38	3	2.00	0	0
0	##	4976	38	11	29	4	1.00	0	1
0	##	3938	39	15	123	2	2.20	1	0
0	##	2306	32	7	185	2	6.70	1	0
0	##	4298	33	9	73	4	3.40	1	0
0	##	2217	64	40	89	1	3.80	1	0
0	##	3640	51	26	191	1	8.10	1	0
0	##	993	34	9	93	1	0.00	1	0
1	##	1113	52	28	51	1	1.60	0	0
0	##	3818	65	40	140	1	0.90	1	0
1	##	4958	29	-1	50	2	1.75	0	0
1	##	83	41	16	82	1	4.00	0	0
0	##	1824	33	8	125	1	0.00	1	0
0	##	1315	32	6	73	4	2.20	0	1
0	##	4117	24	-2	135	2	7.20	1	0

## 1229	56	30	45	1	0.20	1	0
0							
## 216	38	14	92	2	0.00	1	0
0							
## 2570	35	10	139	1	4.60	1	0
0							
## 2829	35	10	64	3	0.70	0	1
0							
## 3693	57	33	64	4	2.20	1	0
0							
## 3398	31	6	170	2	6.70	1	0
0							
## 700	44	20	68	1	0.80	0	0
1							
## 4680	26	0	161	2	7.20	1	0
0							
## 761	29	3	52	3	1.10	0	1
0							
## 411	47	23	110	2	3.30	1	0
0							
## 1076	41	15	59	4	0.20	0	0
1							
## 640	62	36	32	2	0.20	0	0
1							
## 2419	41	17	28	1	0.70	1	0
0							
## 1186	43	19	31	3	0.50	1	0
0							
## 594	33	7	48	4	2.20	0	1
0							
## 3899	44	20	129	2	3.30	1	0
0							
## 3809	34	10	152	2	6.50	1	0
0							
## 1109	55	29	61	4	2.80	0	1
0							
## 2907	35	8	55	2	1.67	0	1
0							
## 3303	37	11	28	2	0.80	0	0
1							
## 3947	25	-1	40	3	2.40	0	1
0							
## 168	33	9	23	3	0.90	0	0
1							
## 1844	30	6	154	1	6.00	1	0
0							
## 3996	53	28	34	2	0.60	0	0
1							
## 233	46	19	38	3	2.50	0	1
0							

1	##	4723	40	16	63	1	1.50	0	0
0	##	1732	43	19	125	3	2.40	1	0
0	##	3982	64	39	22	3	0.50	1	0
0	##	1437	46	21	80	4	0.40	1	0
0	##	3097	43	18	179	3	1.20	1	0
1	##	4887	51	26	64	4	1.80	0	0
1	##	1368	62	38	42	3	0.10	0	0
0	##	512	31	5	82	4	2.20	0	1
0	##	434	52	28	31	4	0.20	1	0
0	##	322	44	20	101	3	4.40	0	1
0	##	2571	30	4	154	2	4.50	1	0
1	##	967	57	32	44	2	1.60	0	0
1	##	1084	28	3	65	3	2.60	0	0
0	##	4864	61	35	25	1	0.80	0	1
0	##	3771	40	16	75	3	2.33	1	0
0	##	3410	29	5	113	2	2.00	0	1
0	##	881	57	31	58	1	0.20	1	0
0	##	510	52	28	118	2	6.80	1	0
0	##	3935	35	11	68	2	0.00	1	0
1	##	1672	34	9	20	4	1.10	0	0
1	##	1062	47	22	33	1	1.40	0	0
0	##	4623	47	20	13	3	0.67	0	1
0	##	4542	62	38	124	1	3.80	1	0
0	##	1288	42	18	54	4	2.20	0	1
0	##	2336	37	13	59	1	3.60	0	1

## 1111	58	33	34	3	0.20	1	0
0							
## 1781	49	24	82	1	2.90	1	0
0							
## 2328	51	25	70	1	0.80	0	0
1							
## 3494	54	28	33	2	0.40	0	0
1							
## 4763	37	7	94	4	1.80	0	0
1							
## 4736	34	9	84	4	2.20	0	1
0							
## 4575	35	11	193	2	6.50	1	0
0							
## 1342	42	16	55	2	0.70	1	0
0							
## 1045	49	24	79	1	0.20	0	1
0							
## 4314	52	28	79	1	2.70	0	1
0							
## 1845	65	40	21	3	0.10	0	0
1							
## 2601	42	18	51	3	2.10	0	0
1							
## 1314	52	27	78	4	3.60	0	0
1							
## 2310	36	12	29	1	1.33	1	0
0							
## 3274	40	15	180	1	4.10	1	0
0							
## 3877	35	11	40	1	2.40	0	1
0							
## 4607	44	20	199	2	6.67	1	0
0							
## 869	40	15	161	2	3.30	1	0
0							
## 4	35	9	100	1	2.70	0	1
0							
## 3409	45	21	71	4	1.90	1	0
0							
## 4952	53	27	65	1	2.20	0	0
1							
## 1199	40	14	42	2	0.70	1	0
0							
## 4399	63	37	61	1	2.50	0	0
1							
## 4923	31	5	28	1	0.30	1	0
0							
## 1143	44	20	75	4	1.90	1	0
0							

##	1389	52	28	25	4	1.00	1	0
0								
##	4327	32	8	42	1	0.20	0	0
1								
##	1571	41	16	114	4	3.50	1	0
0								
##	2248	60	34	60	1	2.50	0	0
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##	4312	32	8	14	3	0.90	0	0
1								
##	3993	47	22	95	2	3.90	0	1
0								
##	1024	45	20	109	1	7.00	1	0
0								
##	898	62	37	21	4	0.40	0	1
0								
##	3135	54	30	22	2	0.40	1	0
0								
##	3791	46	22	71	2	1.70	1	0
0								
##	4768	35	9	45	3	0.90	1	0
0								
##	2755	26	1	61	4	2.20	1	0
0								
##	2410	55	31	73	3	2.67	1	0
0								
##	2209	64	40	92	2	0.00	0	0
1								
##	2097	55	29	54	2	2.30	0	0
1								
##	4355	40	16	140	3	5.60	1	0
0								
##	792	55	29	65	4	2.80	0	1
0								
##	1920	38	13	19	2	1.40	0	1
0								
##	1513	53	28	44	3	1.70	1	0
0								
##	3056	28	2	111	4	2.30	0	0
1								
##	4127	58	33	23	3	1.30	0	1
0								
##	2591	46	20	152	1	7.40	0	0
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##	3536	52	27	65	1	1.20	1	0
0								
##	2141	53	27	89	1	0.80	0	0
1								
##	2735	56	31	64	4	0.90	1	0
0								

## 141	51	25	31	2	0.40	0	0
1							
## 4505	27	1	41	4	1.80	0	0
1							
## 2592	31	7	8	4	0.70	0	1
0							
## 3125	45	20	198	2	2.80	1	0
0							
## 3487	25	1	20	4	1.00	1	0
0							
## 3335	40	14	30	2	0.80	0	0
1							
## 3931	53	27	145	1	2.90	1	0
0							
## 1907	42	17	98	2	0.40	1	0
0							
## 1383	34	8	82	2	1.80	1	0
0							
## 4159	59	34	74	4	0.70	1	0
0							
## 2436	34	9	102	4	2.20	0	1
0							
## 2437	53	29	39	3	1.50	1	0
0							
## 2386	43	17	125	4	3.50	0	1
0							
## 1879	56	30	59	3	0.80	1	0
0							
## 646	35	9	84	4	2.20	0	1
0							
## 2919	28	3	142	1	0.80	1	0
0							
## 2233	59	33	140	2	0.50	1	0
0							
## 1593	56	31	192	1	7.00	0	0
1							
## 4731	52	27	29	1	1.50	0	1
0							
## 3711	49	22	23	2	1.00	0	1
0							
## 4336	36	10	82	2	2.80	1	0
0							
## 1274	60	35	130	3	6.30	0	0
1							
## 875	30	4	40	4	2.10	0	0
1							
## 4471	44	20	111	2	5.30	0	1
0							
## 3377	46	21	170	2	2.80	1	0
0							

0	## 4113	34	9	65	3	0.70	0	1
1	## 4381	37	13	64	1	1.50	0	0
0	## 2620	33	8	62	3	2.30	1	0
1	## 2226	54	24	25	4	0.40	0	0
0	## 2135	50	24	68	1	1.50	0	1
0	## 2109	56	32	85	3	2.67	1	0
0	## 2258	47	23	130	2	1.40	1	0
1	## 1264	35	5	85	4	4.00	0	0
0	## 4924	40	15	73	3	3.00	1	0
1	## 4483	40	14	28	2	0.80	0	0
0	## 2486	61	36	48	3	1.50	1	0
0	## 4871	55	30	28	2	2.00	0	1
1	## 2748	38	12	30	2	1.40	0	0
0	## 149	52	28	163	2	0.40	1	0
0	## 3021	44	20	151	1	3.50	1	0
1	## 1730	50	20	25	4	0.40	0	0
1	## 4260	52	26	158	2	3.70	0	0
1	## 985	50	25	15	1	0.40	0	0
1	## 2215	53	27	89	1	0.80	0	0
1	## 1097	43	18	29	1	0.30	0	0
1	## 2865	65	41	84	2	0.00	0	0
1	## 3077	29	-1	62	2	1.75	0	0
0	## 3995	42	18	88	4	0.80	1	0
0	## 1765	45	21	44	3	0.60	0	1
0	## 841	27	3	94	2	0.20	1	0

## 1650	29	4	73	1	0.80	0	1
0							
## 4863	33	7	44	1	0.30	1	0
0							
## 1555	42	15	34	3	1.00	0	1
0							
## 1684	55	29	33	2	0.40	0	0
1							
## 269	64	39	129	1	2.50	1	0
0							
## 105	56	32	38	4	1.30	1	0
0							
## 2125	35	9	44	3	0.90	1	0
0							
## 4632	32	8	142	4	6.20	0	1
0							
## 3831	34	8	34	2	2.00	0	0
1							
## 2164	33	3	69	4	1.80	0	0
1							
## 4612	34	7	52	2	1.00	0	1
0							
## 2495	35	9	63	2	1.80	1	0
0							
## 4290	54	28	95	1	1.90	0	1
0							
## 1116	51	24	84	3	2.00	0	1
0							
## 918	45	20	200	2	8.80	1	0
0							
## 4637	41	16	78	4	0.40	1	0
0							
## 4970	45	19	60	2	0.40	0	0
1							
## 1731	41	17	51	2	0.60	0	0
1							
## 3005	33	7	88	3	1.60	1	0
0							
## 4457	29	3	35	2	0.30	1	0
0							
## 2686	28	2	101	4	2.10	0	0
1							
## 4728	41	17	58	4	2.67	1	0
0							
## 593	44	20	79	4	2.00	0	0
1							
## 2981	25	-1	53	3	2.40	0	1
0							
## 1310	38	14	71	4	2.00	0	0
1							

## 4081	27	0	40	1	2.00	0	1
0							
## 977	54	30	24	4	0.20	1	0
0							
## 1427	37	11	60	3	0.50	0	0
1							
## 3620	45	20	42	1	0.30	0	0
1							
## 2993	46	21	64	1	2.90	1	0
0							
## 4190	45	19	93	2	1.70	0	1
0							
## 3059	30	4	113	2	0.20	1	0
0							
## 3289	56	30	140	4	0.50	1	0
0							
## 80	50	26	19	2	0.40	1	0
0							
## 3898	56	31	64	2	2.30	0	0
1							
## 38	51	25	71	1	1.40	0	0
1							
## 4138	37	12	52	2	1.10	0	1
0							
## 4536	42	18	39	3	2.10	0	0
1							
## 2202	41	16	111	2	0.40	1	0
0							
## 1567	61	35	40	1	0.80	0	1
0							
## 2348	64	39	8	3	0.10	0	0
1							
## 2921	60	35	44	2	1.60	0	0
1							
## 337	36	12	65	3	2.60	0	1
0							
## 1968	43	18	89	3	0.50	0	0
1							
## 170	27	1	112	4	2.10	0	0
1							
## 4824	46	21	115	2	4.20	0	0
1							
## 2305	27	2	170	3	4.70	1	0
0							
## 3726	33	6	78	4	2.00	0	1
0							
## 4876	61	36	54	3	1.50	1	0
0							
## 334	63	38	140	1	2.50	1	0
0							

## 1034	60	34	29	2	0.30	1	0
0							
## 1656	35	11	53	3	2.80	1	0
0							
## 1086	51	26	11	2	0.00	1	0
0							
## 1424	55	30	64	2	2.30	0	0
1							
## 1521	54	30	120	1	7.40	1	0
0							
## 4979	57	27	63	4	2.00	0	0
1							
## 3964	58	32	38	3	2.20	0	0
1							
## 2588	60	33	55	4	2.50	0	1
0							
## 2797	57	32	30	2	2.00	0	1
0							
## 4629	27	1	130	3	2.90	0	1
0							
## 1095	50	24	44	4	1.80	1	0
0							
## 4359	35	11	75	4	2.00	0	0
1							
## 4342	28	3	53	2	1.60	0	0
1							
## 4151	46	20	72	2	1.70	0	1
0							
## 3672	50	25	18	1	0.40	0	0
1							
## 2698	57	32	44	3	0.50	0	1
0							
## 1278	45	20	194	2	8.80	1	0
0							
## 2429	39	12	108	4	3.67	0	1
0							
## 2083	32	7	55	4	2.00	0	1
0							
## 1085	60	35	191	4	5.60	0	0
1							
## 1681	62	36	44	2	1.00	0	0
1							
## 3441	26	1	39	4	0.60	0	1
0							
## 238	62	38	83	1	1.80	0	0
1							
## 3272	52	27	93	4	4.10	0	1
0							
## 2025	36	12	113	4	0.20	1	0
0							

## 713	41	16	10	2	0.30	0	1
0							
## 4956	63	37	39	2	0.70	0	0
1							
## 1677	46	20	74	4	2.60	0	0
1							
## 410	49	22	82	1	2.67	0	1
0							
## 4074	51	27	19	1	0.20	1	0
0							
## 1464	35	10	94	1	0.00	1	0
0							
## 3779	66	41	14	4	0.60	0	1
0							
## 2008	48	21	78	3	2.00	0	1
0							
## 4452	67	41	18	2	0.40	1	0
0							
## 1395	52	27	33	2	0.70	0	1
0							
## 3066	39	15	121	1	3.50	1	0
0							
## 4304	45	21	134	2	3.30	1	0
0							
## 3849	57	32	84	4	1.30	0	0
1							
## 4268	52	26	194	2	5.70	0	1
0							
## 1831	38	13	119	2	7.80	1	0
0							
## 1832	47	22	30	4	0.40	0	1
0							
## 1052	33	7	54	4	0.20	1	0
0							
## 2553	39	15	65	1	1.50	0	0
1							
## 1568	63	39	92	2	0.00	0	0
1							
## 2148	27	3	20	4	1.00	1	0
0							
## 1697	45	21	140	2	7.60	1	0
0							
## 4916	49	24	48	1	1.30	0	1
0							
## 1166	43	19	113	1	1.70	1	0
0							
## 4377	40	15	71	3	3.00	1	0
0							
## 2238	30	5	134	1	0.00	1	0
0							

0	##	2793	54	30	44	3	1.50	1	0
0	##	1467	33	9	145	2	4.33	1	0
1	##	3341	29	3	54	4	1.80	0	0
0	##	478	64	39	24	4	0.40	0	1
0	##	2299	48	24	9	4	0.50	0	1
0	##	3767	59	35	108	4	3.80	0	1
0	##	4628	27	1	134	1	1.70	0	1
0	##	4046	57	31	38	4	0.70	0	1
0	##	3838	44	19	40	4	0.00	0	1
0	##	741	52	27	195	1	8.10	1	0
1	##	2647	45	20	191	3	2.60	0	0
0	##	4501	50	26	24	4	0.50	0	1
0	##	4233	39	15	53	1	1.80	1	0
0	##	870	54	30	29	2	0.80	1	0
0	##	746	30	4	49	3	1.10	0	1
1	##	3708	43	18	35	1	0.60	0	0
0	##	4368	40	15	149	2	3.90	1	0
0	##	2058	37	12	125	2	3.90	1	0
1	##	2753	51	25	34	3	0.90	0	0
0	##	1451	59	34	80	3	0.50	1	0
0	##	114	58	34	92	2	2.80	1	0
0	##	253	65	40	53	3	2.20	1	0
0	##	2782	47	21	22	1	0.20	1	0
0	##	1150	56	32	158	1	7.40	1	0
0	##	1425	29	3	92	2	1.30	1	0

0	##	716	47	23	32	1	1.00	1	0
0	##	3824	49	25	44	4	0.90	0	1
1	##	4586	35	11	180	1	3.60	0	0
0	##	1056	31	6	62	1	1.00	1	0
1	##	1396	47	23	190	4	0.30	0	0
0	##	1254	57	33	45	4	1.50	1	0
0	##	2835	40	16	12	1	1.00	1	0
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1	##	1402	40	15	84	1	3.70	0	0
1	##	1789	38	13	23	4	0.20	0	0
0	##	4466	39	15	54	4	2.20	0	1
0	##	4781	47	20	49	3	2.50	0	1
0	##	2963	23	-2	81	2	1.80	0	1
0	##	2099	59	35	94	1	3.80	1	0
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1	##	86	27	2	109	4	1.80	0	0
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1	##	2009	63	38	31	1	1.10	0	0
0	##	3765	63	37	15	2	0.40	1	0
0	##	4631	46	21	92	1	0.20	0	1
1	##	3357	49	23	115	3	4.60	0	0
0	##	1004	25	1	62	4	0.00	1	0
1	##	2401	61	36	169	2	6.10	0	0

0	##	3723	42	17	60	1	2.40	1	0
0	##	199	27	3	59	4	0.00	1	0
1	##	889	57	33	182	2	3.30	0	0
1	##	4812	36	12	123	2	3.00	0	0
0	##	584	24	-1	38	2	1.70	0	1
1	##	3195	41	15	65	3	0.50	0	0
0	##	1994	30	5	122	2	3.10	1	0
0	##	4294	63	38	41	2	1.50	1	0
0	##	3633	46	20	111	2	6.30	1	0
0	##	2011	61	36	41	2	1.50	1	0
1	##	627	30	6	42	1	0.20	0	0
1	##	226	39	13	93	1	1.50	0	0
1	##	2325	41	11	35	1	0.75	0	0
0	##	97	41	15	80	1	5.20	1	0
0	##	4275	30	3	79	4	2.00	0	1
1	##	448	49	23	71	1	1.40	0	0
0	##	1982	52	26	84	3	3.00	0	1
1	##	4397	30	5	14	4	0.50	0	0
0	##	842	57	33	121	1	4.30	1	0
1	##	2363	40	15	31	1	0.60	0	0
0	##	1579	38	13	12	2	0.30	0	1
1	##	972	43	19	174	3	1.70	0	0
0	##	3832	37	12	132	2	3.90	1	0
1	##	1078	29	3	175	3	3.30	0	0
1	##	2485	46	21	30	1	1.40	0	0

0	##	3944	61	36	188	1	9.30	0	1
0	##	2236	63	37	141	2	6.90	1	0
0	##	261	51	27	58	1	0.00	1	0
0	##	1536	61	37	39	4	0.40	1	0
0	##	663	65	41	185	3	2.00	0	1
1	##	2886	57	31	113	4	0.60	0	0
1	##	4056	42	18	65	3	2.10	0	0
0	##	1065	41	17	138	3	6.90	0	1
1	##	4615	56	30	15	4	0.70	0	0
0	##	2784	53	26	25	2	1.00	0	1
0	##	2042	45	20	180	3	8.50	0	1
0	##	3795	52	27	39	4	0.20	0	1
0	##	3025	61	35	78	2	2.00	1	0
0	##	1297	30	6	80	3	1.50	1	0
1	##	1795	56	32	98	3	3.90	0	0
1	##	3592	58	32	73	2	2.30	0	0
0	##	2530	29	5	44	3	0.10	0	1
1	##	1058	30	0	63	2	1.75	0	0
0	##	3952	40	14	69	3	2.10	1	0
0	##	3688	34	10	45	1	1.33	1	0
0	##	2674	54	30	88	4	1.00	0	1
0	##	2368	26	1	80	4	0.20	1	0
0	##	524	56	31	39	4	0.90	1	0
0	##	662	63	38	52	2	2.80	1	0
0	##	3080	55	31	23	2	0.30	1	0

## 1233	43	19	84	4	0.20	0	0
1							
## 981	38	13	114	1	1.00	0	0
1							
## 2065	54	29	65	4	1.80	0	0
1							
## 3083	39	13	40	3	0.90	0	0
1							
## 3394	37	11	81	3	0.90	0	1
0							
## 668	63	39	72	3	2.00	0	0
1							
## 2673	30	5	131	3	0.50	0	0
1							
## 70	53	29	20	4	0.20	1	0
0							
## 3600	45	19	23	2	0.10	0	0
1							
## 2212	39	14	31	2	1.40	0	1
0							
## 163	38	12	52	1	2.00	1	0
0							
## 2445	60	35	38	3	0.50	0	1
0							
## 986	46	22	118	1	4.70	1	0
0							
## 1026	62	37	50	3	1.50	1	0
0							
## 3294	44	20	62	2	2.50	1	0
0							
## 2863	65	39	113	4	2.40	0	0
1							
## 3607	43	18	9	2	0.00	0	0
1							
## 477	60	34	53	1	0.80	0	1
0							
## 3319	46	20	105	4	3.20	1	0
0							
## 2324	31	7	113	2	2.00	0	1
0							
## 1577	43	18	98	2	0.40	1	0
0							
## 4284	58	32	62	3	2.20	0	0
1							
## 3568	51	26	43	1	1.30	0	1
0							
## 3628	27	1	83	2	0.20	1	0
0							
## 2118	31	7	15	3	0.90	0	0
1							

0	##	3439	43	17	72	1	2.80	1	0
0	##	3772	31	7	109	2	2.00	0	1
0	##	288	37	12	62	3	0.70	0	1
0	##	3623	54	29	60	4	3.80	0	1
0	##	3124	44	17	22	3	1.00	0	1
0	##	398	26	2	48	3	0.70	0	1
0	##	4480	32	8	128	2	4.33	1	0
0	##	2358	44	19	34	4	0.00	0	1
1	##	3762	49	24	25	2	0.70	0	0
1	##	4440	33	7	104	2	3.60	0	0
0	##	3185	39	15	141	2	8.00	1	0
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0	##	2725	49	24	30	4	0.40	0	1
1	##	1564	55	29	19	4	0.70	0	0
1	##	2536	50	25	21	2	0.70	0	0
0	##	4689	29	3	69	4	1.80	0	1
1	##	3775	51	26	52	4	1.80	0	0
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0	##	3730	43	17	82	3	0.10	1	0
0	##	3998	62	38	80	4	1.70	0	1
0	##	160	61	35	41	4	1.70	0	1
1	##	3192	30	5	83	4	1.80	0	0
0	##	732	28	3	90	2	3.30	1	0
0	##	1723	26	2	72	4	2.60	1	0
1	##	381	63	33	34	1	1.50	0	0

0	##	4369	31	7	25	2	1.00	0	1
0	##	3007	62	37	169	3	5.00	0	1
0	##	772	42	18	71	3	2.33	1	0
0	##	1406	46	22	183	1	3.10	0	1
1	##	283	34	9	71	4	0.70	0	0
1	##	698	42	17	85	1	3.70	0	0
0	##	4366	26	2	85	2	2.50	1	0
0	##	1275	62	37	61	4	1.70	1	0
0	##	4319	49	23	75	1	1.50	0	1
0	##	333	59	33	42	1	0.80	0	1
1	##	3461	63	37	84	4	2.40	0	0
1	##	599	56	31	11	2	0.20	0	0
0	##	971	57	32	75	2	3.70	1	0
0	##	596	42	18	41	1	1.80	1	0
0	##	2266	47	23	88	4	1.40	0	1
1	##	392	58	32	9	3	0.30	0	0
1	##	192	51	25	29	1	0.30	0	0
0	##	2990	42	18	142	1	3.40	1	0
0	##	4460	32	8	115	1	4.00	1	0
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0	##	1726	57	32	19	1	1.30	1	0
0	##	1158	48	23	132	1	0.60	1	0
0	##	4604	37	12	179	1	8.60	1	0
0	##	670	56	29	41	4	2.50	0	1
1	##	1898	54	29	98	1	0.10	0	0

## 4424	61	36	40	3	0.50	0	1
0							
## 2471	33	7	81	2	4.50	0	0
1							
## 1099	46	20	114	1	0.00	1	0
0							
## 2013	57	31	51	1	1.40	1	0
0							
## 3304	55	29	28	2	0.70	0	1
0							
## 2816	26	1	48	3	2.60	0	0
1							
## 1442	58	33	43	2	1.60	0	0
1							
## 3162	28	4	88	1	5.40	1	0
0							
## 2102	35	5	203	1	10.00	0	0
1							
## 2804	43	18	41	1	0.30	0	0
1							
## 3131	23	-2	82	2	1.80	0	1
0							
## 2638	51	26	69	3	2.00	0	1
0							
## 906	46	22	28	1	1.00	1	0
0							
## 2213	46	22	83	1	2.70	1	0
0							
## 4705	54	28	102	3	1.70	0	1
0							
## 3174	34	10	35	1	1.70	1	0
0							
## 3577	56	30	70	3	0.30	0	1
0							
## 1488	28	4	159	1	1.50	1	0
0							
## 4626	45	21	102	4	4.70	0	1
0							
## 4546	61	35	35	2	0.20	0	0
1							
## 1953	30	5	78	1	2.60	0	1
0							
## 2397	34	10	43	1	1.70	1	0
0							
## 456	30	4	60	4	2.20	0	1
0							
## 2881	64	40	40	2	1.10	1	0
0							
## 2985	54	28	94	2	1.10	1	0
0							

## 4107	48	22	54	1	1.20	0	1
0							
## 3900	60	34	43	1	1.40	1	0
0							
## 1022	35	8	41	2	1.00	0	1
0							
## 1797	57	32	42	2	2.10	0	0
1							
## 3778	62	37	98	1	0.90	1	0
0							
## 3181	27	3	103	2	0.60	1	0
0							
## 2367	30	4	63	4	2.20	0	1
0							
## 3886	32	2	69	4	4.00	0	0
1							
## 796	57	32	15	2	0.20	0	0
1							
## 2637	38	13	179	1	4.10	1	0
0							
## 1434	51	25	68	2	1.50	0	1
0							
## 3317	56	26	63	3	2.00	0	0
1							
## 3043	52	26	78	3	3.00	0	1
0							
## 1874	28	4	69	3	0.70	0	1
0							
## 2623	54	28	39	4	0.70	0	1
0							
## 3829	31	6	44	4	0.80	1	0
0							
## 4572	58	28	95	1	3.00	0	0
1							
## 3091	61	31	19	1	1.50	0	0
1							
## 1349	38	14	35	1	1.50	0	1
0							
## 2472	36	11	44	2	1.10	0	1
0							
## 3314	48	24	24	1	0.90	0	0
1							
## 4665	62	37	83	4	0.10	0	1
0							
## 4709	62	37	10	3	0.50	1	0
0							
## 2146	57	32	40	3	1.70	1	0
0							
## 2335	45	21	69	4	1.90	1	0
0							

0	##	241	51	26	70	1	1.20	1	0
1	##	3518	30	6	95	1	3.90	0	0
1	##	2491	52	28	168	3	6.50	0	0
0	##	871	43	19	35	3	0.50	1	0
0	##	4645	58	34	22	1	0.10	0	1
0	##	3697	31	5	78	2	0.20	1	0
0	##	4418	54	28	92	2	1.10	1	0
1	##	3860	50	24	62	1	1.40	0	0
1	##	3725	44	20	39	2	2.10	0	0
1	##	3538	60	34	19	3	0.30	0	0
1	##	3906	52	28	55	1	1.60	0	0
0	##	1663	63	38	84	4	0.10	0	1
0	##	1444	36	12	25	4	1.00	1	0
0	##	1384	65	41	105	4	1.70	0	1
0	##	519	28	4	34	1	1.80	0	1
0	##	1153	63	37	21	2	0.40	1	0
0	##	767	37	12	81	1	2.80	1	0
0	##	821	51	25	145	1	0.30	1	0
0	##	874	24	0	88	3	0.80	1	0
0	##	2323	62	37	129	1	1.30	1	0
0	##	826	37	11	34	3	0.20	0	1
0	##	3483	57	33	91	1	4.30	1	0
1	##	3406	55	30	50	2	2.10	0	0
1	##	848	40	14	73	1	1.50	0	0
0	##	63	42	18	22	1	1.00	1	0

0	##	1245	33	8	130	3	6.30	0	1
0	##	2477	54	28	30	4	0.70	0	1
0	##	4561	43	18	13	2	0.10	0	1
0	##	50	40	16	49	1	1.80	1	0
0	##	3816	43	19	28	4	0.30	1	0
0	##	2619	23	-3	55	3	2.40	0	1
0	##	1974	47	22	11	2	0.00	1	0
1	##	4150	41	15	53	1	0.70	0	0
1	##	4091	42	18	49	3	2.10	0	0
1	##	3965	43	18	78	4	1.90	0	0
0	##	326	54	28	89	1	1.90	0	1
1	##	1532	39	13	25	4	1.50	0	0
1	##	1955	44	20	81	4	2.00	0	0
1	##	925	55	30	32	4	0.10	0	0
0	##	3001	40	14	164	1	4.30	0	1
1	##	948	55	29	60	3	2.20	0	0
0	##	778	55	31	12	2	0.20	1	0
1	##	1225	59	35	45	1	1.80	0	0
0	##	529	64	39	122	4	0.20	1	0
1	##	2971	54	30	121	2	1.10	0	0
0	##	2413	61	36	59	4	1.70	1	0
0	##	1133	34	9	55	3	2.30	1	0
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1	##	3543	30	5	118	4	3.00	0	0

## 1337	36	12	42	1	1.33	1	0
0							
## 2644	63	38	14	4	0.40	0	1
0							
## 126	60	35	80	3	0.50	1	0
0							
## 214	57	33	155	1	7.40	1	0
0							
## 3516	50	26	148	2	0.40	1	0
0							
## 2568	58	33	142	2	3.90	1	0
0							
## 803	36	12	51	3	2.00	1	0
0							
## 3414	54	24	72	3	1.40	0	0
1							
## 1193	45	20	138	1	7.00	1	0
0							
## 4145	47	23	138	2	3.30	1	0
0							
## 2721	48	23	32	1	0.10	1	0
0							
## 389	54	30	100	4	3.40	0	0
1							
## 931	28	4	43	3	0.10	0	1
0							
## 4456	56	31	28	1	1.50	0	1
0							
## 657	37	11	81	1	2.80	0	0
1							
## 3019	58	32	49	1	1.40	1	0
0							
## 4245	51	26	55	3	2.00	0	1
0							
## 2995	50	24	179	1	1.00	1	0
0							
## 952	59	34	83	2	3.40	0	0
1							
## 2550	41	15	63	1	0.70	0	0
1							
## 454	54	28	53	4	2.80	0	1
0							
## 2682	37	11	35	2	0.80	0	0
1							
## 3107	36	10	21	3	0.10	0	1
0							
## 962	35	9	30	4	1.00	1	0
0							
## 2709	49	24	75	1	2.80	0	1
0							

## 4870	63	39	33	3	0.10	0	0
1							
## 194	48	24	21	4	0.60	1	0
0							
## 2754	54	27	195	2	4.75	0	1
0							
## 1271	43	18	60	2	2.20	0	0
1							
## 2094	48	23	75	4	3.60	0	0
1							
## 4195	63	37	31	1	0.50	0	0
1							
## 1223	61	37	20	3	0.40	0	1
0							
## 3000	60	34	44	1	0.20	1	0
0							
## 1995	32	8	183	1	6.00	1	0
0							
## 1678	34	10	42	1	1.50	0	1
0							
## 207	49	25	31	1	1.00	1	0
0							
## 1517	41	17	49	4	2.20	0	1
0							
## 3232	62	37	24	1	0.30	0	0
1							
## 3685	57	31	51	4	1.70	0	1
0							
## 2443	39	15	41	2	1.70	1	0
0							
## 1391	29	3	80	4	1.80	0	1
0							
## 4250	37	12	63	4	2.10	0	0
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0							
## 3168	62	38	58	4	1.20	0	1
0							
## 2618	44	20	65	2	2.50	1	0
0							
## 4045	36	11	9	2	0.30	0	1
0							
## 2880	42	15	73	3	2.33	0	1
0							
## 2225	38	12	29	2	1.40	0	0
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## 4987	32	6	78	1	2.90	0	0
1							
## 2090	53	29	95	1	2.70	0	1
0							

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0	##	3281	58	33	98	1	2.60	1	0
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1	##	3263	44	19	85	2	3.80	0	0
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1	##	3062	38	13	81	1	4.00	0	0
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0	##	388	31	5	82	4	1.80	0	1
0	##	1621	39	14	22	2	0.30	0	1
0	##	957	37	11	43	1	2.00	1	0
0	##	354	53	29	55	4	1.10	0	1
0	##	1860	67	41	20	2	0.40	1	0
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0	##	3385	36		11	162	1	8.60		1		0
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0	##	346	51		27	12	4	0.50		0		1
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## 3960	43	19	123	3	1.30	1	0
0							
## 4324	52	28	31	4	0.90	0	1
0							
## 3271	50	23	179	4	3.60	0	1
0							
## 1523	25	-1	101	4	2.30	0	0
1							
## 2126	44	20	93	4	0.80	1	0
0							
## 4513	46	22	25	4	0.60	1	0
0							
## 1138	51	26	134	4	4.50	0	0
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## 1429	25	-1	21	4	0.40	1	0
0							
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## 424	43	19	161	2	7.50	1	0
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## 3164	51	27	52	2	1.00	0	0
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## 1006	38	12	138	2	0.00	1	0
0							
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## 2338	43	16	201	1	10.00	0	1
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0							
## 1976	29	3	113	2	0.20	1	0
0							
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0							
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0							
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0							
## 2270	42	18	62	3	2.10	0	0
1							
## 2965	35	10	73	3	2.30	1	0
0							
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0	##	585	40	16	114	1	3.40	1	0

## 978	54	30	45	4	1.10	0	1
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## 2371	33	7	51	4	2.10	0	0
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0							
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## 880	63	37	84	4	1.90	0	1
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## 1903	39	14	85	3	1.20	0	0
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##	Mortgage Personal.Loan Securities.Account CD.Account Online						
CreditCard							
## 1017	0	0				1	0 1
0							
## 4775	0	0				0	0 1
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## 2347	239	0				0	0 0
1							
## 270	0	0				0	0 0
0							
## 4050	294	0				0	0 0
0							
## 3379	0	0				0	0 0
1							
## 4065	166	0				0	0 0
0							
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0							
## 1301	103	0				0	0 1
0							
## 330	0	0				0	0 1
0							
## 1799	0	1				0	0 1
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## 3913	0	0				0	0 0
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## 1129	0	1	0	0	0
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## 2378	0	0	0	0	0
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## 2159	0	1	0	0	0
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## 3476	0	0	0	0	0
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## 2580	0	0	0	0	0
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## 4344	0	0	1	0	1
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## 1222	0	0	0	0	0
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## 2426	0	0	0	0	1
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## 2087	0	0	0	0	1
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## 2858	0	1	0	0	0
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## 1696	0	0	0	0	1
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## 1069	0	0	1	0	0
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## 1791	0	0	1	0	0
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## 3910	0	0	0	0	1
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## 1639	0	0	0	0	1
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## 4939	0	0	0	0	1
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## 1200	184	0	0	0	1
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## 3101	0	0	0	0	0
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## 2300	91	0	0	0	0
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## 4971	0	0	0	0	0
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## 1328	0	0	0	0	1
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## 287	131	0	0	0	1
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## 3217	0	0	0	0	0
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## 3702	0	0	0	0	1
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## 1522	102	0	0	0	1
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## 858	0	0	0	1	1
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## 990	247	0	0	0	0
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1					
## 316	0	0	0	0	1
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## 733	0	0	0	0	1
0					
## 4907	128	0	0	0	0
0					
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## 3514	0	0	0	0	0
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## 29	0	0	0	0	1
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## 3662	0	1	1	1	0
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## 1942	0	0	0	0	1
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## 1820	231	0	0	0	1
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## 2281	132	0	0	0	0
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## 369	159	0	0	0	1
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## 2499	326	0	0	0	0
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## 4182	0	0	0	0	1
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## 355	419	0	0	0	1
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0					
## 361	0	0	0	0	0
0					
## 1340	297	1	0	0	1
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## 1266	108	0	0	0	0
0					
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0					
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0					
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## 3428	0	0	0	0	1
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## 2178	0	0	0	0	1
0					
## 4455	0	0	0	0	1
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## 2153	128	0	0	0	1
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## 1148	0	0	0	0	0
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## 3682	0	0	0	0	0
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## 418	0	0	0	0	1
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## 867	0	0	0	0	1
0					
## 4782	0	0	1	0	1
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## 4499	328	0	0	0	0
0					
## 3821	205	0	0	0	1
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## 1611	0	0	0	0	0
1					
## 818	91	0	0	0	1
0					
## 2652	0	0	0	0	0
0					
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0					
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## 3045	83	0	0	0	0
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## 3700	0	0	0	0	1
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## 2319	112	0	0	0	1
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## 4454	0	0	0	0	0
0					
## 785	0	0	0	0	0
0					
## 3796	98	0	0	0	1
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## 3912	148	0	0	0	0
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## 1572	0	0	0	0	0
0					
## 4401	0	0	0	0	1
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## 1833	0	0	1	0	1
0					
## 2461	130	0	0	0	1
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## 2624	0	1	1	1	0
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## 4225	0	0	1	0	0
1					
## 309	0	0	0	1	1
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## 2922	262	0	0	0	1
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## 4078	0	0	1	0	1
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## 441	139	0	0	0	1
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## 2904	0	0	0	0	1
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## 3189	0	0	0	0	0
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## 4405	0	0	0	0	0
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## 470	0	0	0	0	1
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## 349	0	1	0	1	1
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## 4856	0	0	0	0	1
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## 3306	0	0	0	0	0
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## 3556	0	0	0	0	1
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## 3193	0	0	0	0	0
0					
## 15	0	0	1	0	0
0					
## 3366	0	0	0	0	1
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## 4158	0	0	0	0	1
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## 4477	0	0	0	0	0
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## 4983	0	0	0	0	0
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## 2597	0	0	0	0	0
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## 2012	0	0	0	0	1
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## 4084	0	0	0	0	0
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## 1172	0	0	0	0	1
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## 797	0	0	0	0	0
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## 2079	0	0	0	0	0
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## 4897	0	0	0	0	1
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## 4075	0	0	0	0	1
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## 3070	0	0	0	0	1
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## 4281	0	0	1	1	1
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## 3805	0	0	0	0	1
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## 4589	0	0	0	0	0
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## 3914	172	0	0	0	1
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## 966	0	1	0	0	1
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## 2492	0	0	0	0	1
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## 1191	152	0	1	0	0
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## 2017	218	0	0	0	0
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## 3774	0	0	1	0	0
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## 291	0	0	0	0	0
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## 3979	0	0	0	0	1
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## 2884	0	0	0	0	1
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## 56	0	0	0	0	1
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## 934	0	0	0	0	1
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## 3153	0	0	0	0	0
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## 4425	0	0	0	0	0
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## 4590	0	0	0	0	1
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## 4738	0	0	0	0	0
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## 4707	0	0	0	0	0
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## 4246	0	0	0	0	0
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## 169	0	0	0	0	1
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## 598	0	0	1	0	0
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## 1491	0	0	0	0	1
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## 2815	0	0	0	0	1
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## 1115	0	0	0	0	1
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## 3616	0	0	0	0	1
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## 436	0	0	0	0	0
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## 2137	0	1	0	0	0
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## 533	113	0	0	1	1
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## 4092	0	0	0	0	1
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## 2752	156	0	0	0	1
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## 4896	0	0	0	0	1
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## 3565	0	0	0	0	0
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## 1926	218	0	0	0	1
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## 1813	0	0	0	0	1
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## 2833	0	1	0	1	1
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## 4063	0	0	0	0	1
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## 724	0	0	0	0	1
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## 2053	170	0	0	0	0
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## 1354	0	0	0	0	1
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## 1949	86	0	0	0	0
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## 514	0	0	0	0	0
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## 2117	0	0	0	0	0
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## 2312	0	0	0	0	1
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## 2643	0	0	0	0	1
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## 320	0	0	0	0	0
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## 4211	0	0	0	0	0
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## 3525	0	0	0	0	0
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## 4703	0	1	1	0	0
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## 2018	0	0	1	0	0
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## 4830	80	0	0	0	1
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## 2587	0	1	0	0	0
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## 753	0	0	0	0	0
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## 393	0	0	0	0	1
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## 4208	0	0	0	0	1
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## 4318	0	0	0	0	1
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## 4254	0	0	0	0	1
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## 4841	0	0	0	0	1
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## 2822	0	0	0	0	1
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## 1937	0	0	0	0	1
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## 4746	0	0	0	0	1
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## 3940	102	0	0	0	0
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## 4396	0	0	0	0	1
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## 3333	0	0	0	0	0
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## 1139	0	0	1	0	1
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## 4508	0	0	0	0	0
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## 99	0	0	0	0	1
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## 3200	0	0	0	0	1
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## 3042	0	0	0	0	1
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## 1190	0	0	0	0	1
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## 1459	0	0	0	0	1
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## 1776	117	0	0	0	0
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## 116	0	0	0	0	1
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## 3157	0	0	0	0	0
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## 4985	0	0	0	0	0
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## 1847	0	0	0	0	1
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## 1232	0	0	1	1	1
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## 1018	170	0	0	0	0
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## 383	0	1	0	0	0
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## 728	0	0	0	0	1
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## 3349	0	0	0	0	0
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## 771	0	1	0	0	1
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## 2906	0	0	0	0	1
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## 484	0	0	0	0	0
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## 4599	0	0	0	0	1
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## 1700	0	0	0	0	0
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## 3380	0	0	0	0	1
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## 1509	0	0	0	0	1
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## 3183	94	0	1	0	1
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## 4438	0	0	0	0	1
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## 1414	0	0	0	0	0
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## 3120	179	0	0	0	1
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## 3787	0	0	0	0	1
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## 2775	0	0	0	0	1
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## 1401	0	0	0	0	1
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## 1786	0	0	0	0	1
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## 3797	0	0	1	0	0
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## 4797	0	0	1	0	0
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## 2351	0	0	0	0	1
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## 2298	0	0	0	0	1
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## 1694	0	0	0	0	0
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## 3236	0	0	0	0	1
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## 3329	0	0	0	0	0
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## 702	0	0	0	0	0
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## 1378	0	0	0	0	1
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## 959	0	0	0	0	0
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## 2273	0	0	0	0	1
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## 3044	0	0	0	0	1
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## 4790	0	0	0	0	1
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## 564	0	0	0	0	1
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## 1592	0	0	0	0	1
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## 1104	0	0	0	0	0
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## 4585	0	0	0	0	0
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## 4062	0	0	0	0	1
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## 4881	0	0	0	0	1
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## 3457	0	1	0	0	1
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## 453	0	0	0	0	0
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## 2402	0	0	0	0	1
0					
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## 4809	0	0	0	0	0
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## 574	0	0	0	0	1
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## 4109	0	0	1	0	0
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## 644	0	0	0	0	1
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## 1174	0	0	0	0	0
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## 2608	214	0	1	1	1
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## 4123	0	0	0	0	0
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## 4532	131	0	0	0	0
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## 4165	0	0	0	0	0
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## 601	0	0	0	0	1
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## 1759	0	0	0	0	0
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## 718	0	0	0	0	0
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## 2107	0	0	0	0	0
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## 4898	0	0	0	0	0
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## 1019	127	0	0	0	0
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## 2020	0	0	1	1	1
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## 543	0	0	0	0	1
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## 4596	0	0	0	0	1
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## 296	0	0	0	0	0
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## 1930	0	0	0	0	1
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## 764	0	0	0	0	0
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## 1734	0	0	0	0	1
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## 122	0	0	0	0	1
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## 498	0	0	0	0	1
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## 1043	0	0	0	0	1
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## 376	0	0	0	0	1
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## 4975	0	0	0	0	0
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## 1487	0	1	0	0	0
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## 1366	0	0	0	0	1
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## 854	0	0	0	0	0
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## 525	0	0	0	0	1
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## 1814	0	0	0	0	1
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## 2490	0	0	0	0	1
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## 108	136	0	0	0	0
0					
## 4137	0	0	0	0	1
0					
## 2145	0	1	1	1	1
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## 3862	0	0	0	0	0
0					
## 4221	0	0	1	0	1
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## 2285	0	0	0	0	1
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## 2056	0	0	0	0	1
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## 2507	0	0	0	0	1
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## 3290	187	0	0	0	1
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## 252	325	1	0	0	1
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## 3591	0	0	0	0	1
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## 2346	299	1	0	1	1
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## 133	0	0	0	0	0
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## 4583	0	0	0	0	1
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## 1641	95	0	0	0	1
0					

## 386	0	0	0	0	1
0					
## 1802	0	0	0	0	0
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## 290	0	0	0	0	1
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## 770	119	0	1	0	1
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## 902	0	0	0	0	1
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## 2158	78	0	1	0	0
0					
## 4297	0	0	0	0	1
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## 487	304	0	1	0	1
0					
## 4679	283	0	0	0	1
0					
## 4702	0	0	0	0	0
0					
## 3254	118	0	0	0	0
1					
## 4662	0	0	1	0	1
0					
## 908	115	0	0	0	1
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## 3363	0	0	0	0	1
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## 1800	100	0	0	0	1
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## 3714	0	0	0	0	1
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## 4286	0	0	0	0	1
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## 4748	0	0	0	0	1
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## 2362	0	1	1	1	1
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## 457	116	0	0	0	1
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## 991	0	0	0	0	1
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## 3130	0	0	1	0	0
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## 4859	0	0	0	0	1
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## 583	155	0	0	0	0
0					
## 4279	0	0	0	0	1
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## 647	0	0	0	0	0
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## 4007	0	0	0	0	1
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## 2732	0	0	0	0	1
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## 4677	0	0	1	0	1
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## 3807	0	0	0	0	0
0					
## 4778	78	0	0	0	1
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## 1620	0	0	0	0	1
0					
## 3129	0	0	0	0	0
0					
## 553	230	0	0	0	1
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## 1780	0	0	0	0	1
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## 1864	112	0	0	0	1
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## 1443	162	0	1	0	1
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## 1787	0	0	0	0	0
0					
## 2037	0	0	0	0	1
0					
## 4030	0	0	1	0	1
0					
## 3408	0	0	0	0	0
0					
## 1031	0	0	0	0	0
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## 4789	153	0	0	0	0
0					
## 4330	0	0	0	0	1
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## 3027	228	0	0	0	0
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## 4525	0	0	0	0	1
1					
## 2531	0	0	0	0	1
0					
## 3417	244	0	0	0	1
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## 4518	0	0	0	0	1
0					
## 4451	0	0	0	0	1
0					

## 1587	0	0	0	0	0
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## 1651	106	0	0	0	1
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## 3402	118	0	0	0	1
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## 1630	0	1	0	0	0
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## 2136	0	0	1	0	0
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## 151	0	0	0	1	1
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## 1524	0	0	0	0	1
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## 4085	0	0	1	0	0
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## 786	0	0	0	1	1
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## 827	0	0	0	0	1
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## 3635	0	0	0	0	0
0					
## 1418	0	0	0	0	0
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## 2616	191	0	0	0	1
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## 2684	98	0	0	0	0
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## 633	0	1	0	0	1
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## 776	0	0	0	0	0
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## 2839	0	1	0	1	1
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## 4332	306	0	1	1	1
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## 1131	0	0	0	0	0
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## 1890	372	1	1	1	1
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## 3976	0	0	0	0	1
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## 1203	0	0	0	0	0
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## 3384	213	1	0	0	1
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## 186	0	0	0	0	1
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## 2019	0	0	0	0	1
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## 2400	154	0	1	0	1
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## 2548	90	0	0	0	1
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## 1967	0	0	0	0	0
0					
## 4361	0	0	0	0	0
0					
## 347	0	0	0	0	1
0					
## 589	0	0	0	1	1
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## 2161	0	0	0	0	0
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## 4210	125	0	0	0	1
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## 4866	342	1	0	0	0
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## 1216	144	0	0	0	1
1					
## 2395	505	0	0	0	0
0					
## 231	0	0	0	0	1
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## 1774	0	0	0	0	0
0					
## 1792	0	0	0	1	1
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## 1584	342	1	0	1	1
1					
## 129	0	0	1	0	1
0					
## 2424	0	0	0	0	1
0					
## 3145	0	0	0	0	1
0					
## 3939	0	0	0	0	1
0					

## 2792	0	0	0	0	0
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## 314	0	0	0	0	0
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## 689	207	0	0	0	1
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## 823	0	0	0	0	0
0					
## 1866	0	0	1	0	0
0					
## 4687	0	0	0	0	0
0					
## 3773	0	0	0	0	1
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## 407	0	0	0	0	0
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## 2524	0	0	0	0	0
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## 280	0	0	0	0	1
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## 3579	209	1	0	0	1
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## 1210	228	0	0	0	0
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## 517	0	0	0	0	0
0					
## 4255	0	0	0	0	1
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## 3793	0	0	0	0	1
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## 851	0	0	0	0	0
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## 3393	0	0	0	0	1
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## 4853	0	0	1	0	0
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## 3465	0	1	0	1	1
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## 3520	0	0	1	0	1
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## 4357	0	0	0	0	0
0					
## 793	0	0	0	0	0
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## 703	0	1	0	0	0
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## 3529	0	0	0	0	1
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## 3641	0	0	0	0	0
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## 1575	0	0	0	0	1
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## 3390	238	0	0	0	0
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## 2106	0	0	0	0	1
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## 787	0	0	1	0	1
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## 1591	188	0	0	0	0
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## 1373	483	1	0	0	1
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## 4502	178	0	1	1	1
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## 2320	422	0	0	0	1
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## 660	0	0	0	0	1
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## 1038	0	0	1	0	1
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## 4991	219	0	0	0	0
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## 4407	137	0	0	0	1
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## 3969	0	0	0	0	1
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## 64	0	0	0	0	1
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## 2924	0	0	0	0	0
0					
## 2131	0	0	0	0	0
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## 920	0	0	1	0	0
1					
## 4398	0	0	0	0	1
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## 626	211	0	0	0	1
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## 306	123	0	0	0	1
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## 2506	0	0	0	0	0
0					
## 375	220	0	0	0	1
0					
## 284	0	0	1	0	1
0					
## 1863	0	0	0	0	1
0					
## 2308	0	0	0	0	1
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## 1950	0	0	0	0	0
0					
## 3237	0	0	0	0	0
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## 416	124	0	0	0	1
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## 4868	0	0	0	0	1
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## 2605	0	0	0	0	0
0					
## 1313	0	0	0	0	1
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## 3127	0	0	0	0	0
1					
## 1355	357	0	0	0	0
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## 1108	185	0	0	0	1
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## 4023	0	0	0	0	1
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## 2223	0	0	0	0	1
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## 3085	0	1	0	0	0
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## 2111	0	0	0	0	0
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## 4926	0	0	0	0	1
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## 4206	0	0	0	0	0
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## 1198	0	0	0	0	0
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## 384	0	0	0	0	1
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## 4557	0	0	1	0	1
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## 4846	0	0	0	0	0
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## 452	89	0	0	0	1
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## 4968	0	0	0	0	1
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## 4873	0	0	0	0	1
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## 153	0	0	0	0	1
1					
## 3451	0	0	0	0	0
1					
## 4593	154	0	0	0	0
0					
## 3781	0	0	0	0	0
0					
## 479	0	0	0	0	0
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## 1922	245	0	0	0	1
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## 352	0	1	0	0	1
0					
## 1492	0	0	0	0	1
1					
## 197	0	0	0	0	0
1					
## 4083	0	0	0	0	0
0					
## 4530	0	0	0	0	0
0					
## 4908	0	0	0	0	0
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## 2389	0	0	1	0	0
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## 1876	389	0	1	0	1
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## 4186	199	0	0	0	0
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## 4064	0	0	0	0	0
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## 2664	0	0	0	0	0
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## 4234	0	0	0	0	1
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## 779	0	0	0	0	1
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## 635	0	0	1	1	1
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## 3647	260	1	0	0	1
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## 1812	0	0	0	0	0
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## 249	264	0	0	0	1
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## 2038	0	0	0	0	0
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## 4740	0	0	0	0	1
1					
## 101	0	0	0	0	1
0					
## 3665	0	0	0	0	1
0					
## 520	105	0	0	0	1
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## 4716	150	0	0	0	1
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## 4331	0	0	0	0	0
0					
## 4535	0	0	0	0	1
0					
## 4756	0	0	0	0	1
0					
## 650	0	0	0	0	1
0					
## 4110	0	0	0	0	1
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## 4014	0	0	0	0	0
0					
## 617	0	0	0	0	1
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## 2599	0	0	0	0	1
0					
## 1846	0	0	0	0	1
0					
## 3327	0	1	0	0	1
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## 3680	0	0	0	0	1
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## 1428	119	0	0	0	1
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## 4105	0	0	0	0	0
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## 1247	241	0	0	0	1
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## 3338	0	0	0	0	1
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## 2465	165	0	0	0	1
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## 2577	118	0	0	0	1
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## 909	0	0	0	0	0
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## 1600	266	0	0	0	1
0					
## 3033	0	0	0	0	1
0					
## 586	0	0	0	0	1
0					
## 2622	0	0	0	0	0
0					
## 812	0	0	0	0	0
0					
## 2480	0	0	0	0	1
0					
## 1562	128	0	0	0	1
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## 1653	0	1	0	0	1
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## 338	0	0	0	0	1
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## 2737	0	0	0	0	0
0					
## 4754	0	0	1	1	1
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## 3137	94	0	1	1	0
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## 442	0	0	1	0	1
0					
## 2267	0	0	0	0	0
0					
## 590	0	0	0	0	0
0					
## 1372	222	0	0	0	1
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## 4354	0	0	0	0	1
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## 817	263	0	0	0	1
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## 2823	158	0	0	0	1
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## 2045	0	0	0	0	1
0					
## 220	0	0	0	0	1
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## 4836	113	0	0	0	1
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## 2214	0	0	0	0	0
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## 1647	0	0	0	0	1
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## 552	0	0	0	0	1
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## 3663	500	0	0	0	0
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## 522	0	0	0	0	1
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## 611	275	0	0	0	0
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## 217	0	0	0	0	0
0					
## 4287	131	0	0	0	1
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## 4771	0	0	0	0	0
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## 2493	0	0	0	0	1
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## 3063	297	0	0	0	0
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## 4733	247	0	0	0	0
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## 2512	0	1	0	1	1
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## 3631	225	0	0	0	1
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## 271	0	0	0	0	1
0					
## 1299	0	0	0	0	1
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## 2871	0	0	1	0	0
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## 4348	0	0	0	0	1
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## 4674	88	0	0	0	1
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## 27	0	0	0	0	0
0					
## 561	0	0	0	0	1
0					
## 2672	0	0	0	0	0
0					
## 2724	144	0	0	0	1
0					
## 2937	0	0	0	0	1
0					
## 2464	0	0	0	0	1
0					
## 1747	0	0	0	0	1
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## 3766	0	0	0	0	1
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## 5000	0	0	0	0	1
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## 4840	0	0	0	0	1
0					
## 251	117	0	0	0	0
0					
## 888	0	0	0	0	1
0					
## 3115	0	0	1	0	1
0					
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## 2693	0	0	0	0	1
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## 3531	0	0	1	0	0
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## 4395	103	0	0	0	0
0					
## 1598	0	0	1	0	0
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## 213	209	0	0	0	0
0					
## 3564	0	1	0	0	0
0					
## 4921	91	0	0	0	1
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## 1088	196	0	0	0	0
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## 625	122	0	0	0	1
0					
## 2761	0	0	0	0	1
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## 1161	0	0	1	0	1
0					
## 859	0	0	0	0	1
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## 3572	416	1	0	0	0
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## 1071	0	0	0	0	1
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## 2252	0	0	0	0	0
0					
## 3967	0	0	0	0	1
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## 4816	0	0	0	0	0
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## 503	0	0	0	0	0
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## 3927	0	0	0	0	1
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## 2541	153	0	0	0	1
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## 2532	107	0	0	0	1
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## 1370	0	0	0	0	0
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## 2439	0	0	0	0	0
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## 1761	0	0	0	0	1
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## 2864	0	0	0	0	1
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## 979	0	0	0	0	1
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## 3152	0	0	0	0	0
0					
## 1750	221	0	0	0	0
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## 55	0	0	0	0	1
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## 2284	0	0	0	0	0
0					
## 4180	0	1	0	0	0
0					
## 4794	155	0	0	0	1
0					
## 4792	0	0	0	0	0
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## 490	0	0	0	1	1
1					
## 3478	156	0	0	0	1
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## 2130	232	0	0	0	0
0					
## 2116	0	0	0	0	0
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## 656	0	0	0	0	0
0					
## 679	207	0	0	0	0
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## 2022	0	1	0	0	1
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## 4293	205	1	0	0	0
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## 4935	0	0	0	0	1
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## 4808	0	0	0	0	1
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## 1039	0	1	0	1	1
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## 3480	0	0	0	0	1
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## 4079	0	0	0	0	0
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## 1080	0	0	1	0	0
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## 4635	0	0	0	0	1
0					
## 3653	0	0	0	0	0
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## 1252	0	0	0	0	0
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## 2826	164	0	0	0	1
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## 2476	183	0	0	0	0
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## 1742	0	0	0	0	0
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## 3188	0	0	0	0	0
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## 2071	0	0	0	0	0
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## 4090	0	0	0	0	1
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## 2391	108	0	0	0	1
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## 4465	79	0	0	0	1
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## 1238	0	1	0	1	1
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## 413	0	0	0	0	1
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## 203	0	0	0	0	1
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## 3266	0	0	0	0	1
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## 3689	0	0	1	0	1
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## 1130	0	1	0	1	1
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## 1546	0	0	1	0	0
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## 1037	119	0	0	0	1
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## 2469	0	0	0	0	1
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## 3891	0	1	0	0	1
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## 2626	0	0	0	0	1
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## 139	0	0	1	1	0
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## 1259	104	0	0	0	1
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## 4220	0	0	0	0	0
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## 4470	0	0	1	1	1
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## 2291	0	0	0	0	1
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## 1103	0	0	0	0	1
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## 799	0	0	0	0	0
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## 4435	110	0	0	0	1
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## 3703	410	1	0	0	0
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## 2430	0	0	0	0	1
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## 1654	123	0	0	0	0
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## 427	0	0	0	0	0
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## 863	101	0	0	0	0
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## 4271	94	0	0	0	1
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## 3199	147	0	0	0	0
1					
## 266	98	0	1	0	0
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## 3784	0	0	0	0	0
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## 1716	0	0	0	0	1
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## 4453	174	0	0	0	1
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## 582	0	0	0	0	1
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## 576	0	0	0	0	1
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## 3949	253	1	0	1	1
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## 1817	0	0	1	0	1
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## 3114	209	0	0	0	1
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## 1063	97	1	0	0	0
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## 2253	0	0	0	0	1
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## 225	91	0	0	0	0
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## 2956	187	0	0	0	1
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## 3060	0	0	0	0	1
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## 2151	0	0	1	0	0
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## 1482	76	0	1	0	1
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## 185	0	0	1	0	1
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## 4963	0	1	0	1	1
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## 513	108	0	0	0	0
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## 1674	0	0	0	0	0
1					
## 1701	0	0	0	0	0
0					
## 245	78	0	0	0	1
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## 4900	299	0	0	0	1
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## 4539	0	0	0	0	0
0					
## 3679	0	0	0	0	0
0					

## 2888	0	0	0	0	1
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## 3842	0	0	0	0	1
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## 2631	0	0	0	0	1
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## 615	0	0	0	0	1
1					
## 2928	0	0	0	0	0
0					
## 450	0	0	0	0	1
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## 1912	0	0	0	0	0
0					
## 665	227	0	0	0	0
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## 4931	109	0	0	0	1
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## 1670	0	0	0	0	1
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## 4800	142	0	0	0	0
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## 4918	82	0	1	0	1
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## 614	0	0	1	0	0
0					
## 3313	0	0	0	0	0
0					
## 1090	0	0	0	0	1
0					
## 1185	0	0	0	0	1
0					
## 1157	87	0	0	0	0
0					
## 1249	0	0	0	0	1
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## 3715	232	0	0	0	0
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## 1798	0	0	0	0	1
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## 740	0	0	0	0	0
0					
## 2261	92	0	0	0	0
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## 493	0	0	0	0	1
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## 4578	0	0	0	0	1
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## 4296	146	0	0	0	0
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## 2403	95	0	0	0	0
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## 39	0	1	1	1	1
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## 3833	0	0	0	0	0
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## 2912	235	0	0	0	1
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## 1552	238	0	0	0	0
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## 3176	0	0	0	0	0
0					
## 4526	0	0	0	0	1
1					
## 3257	0	0	0	0	0
0					
## 721	0	0	0	0	0
0					
## 4112	0	0	0	0	0
0					
## 1665	0	0	0	0	1
0					
## 658	0	0	0	0	0
0					
## 1961	0	0	0	0	1
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## 3449	110	0	0	0	1
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## 1432	0	0	0	0	0
0					
## 1483	0	0	0	0	1
0					
## 4385	0	0	0	0	0
1					
## 2955	0	0	0	0	1
1					
## 2891	0	0	0	0	1
1					
## 814	0	1	0	0	1
0					
## 1377	86	0	0	0	0
0					
## 364	0	0	0	0	0
0					
## 800	0	0	0	0	1
0					
## 2787	0	0	0	0	0
1					
## 4683	0	0	0	0	1
0					

## 1671	101	0	0	0	1
0					
## 2714	0	0	0	0	1
0					
## 1044	0	0	0	0	1
0					
## 2321	0	0	0	0	1
0					
## 2843	0	0	0	0	1
0					
## 3247	223	0	0	0	1
0					
## 327	0	0	0	1	1
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## 3804	0	0	0	0	1
0					
## 3800	0	0	0	0	0
1					
## 3750	0	0	0	0	1
0					
## 1311	0	0	0	0	0
0					
## 4565	148	0	0	0	0
0					
## 2654	408	0	0	0	1
0					
## 837	0	0	0	0	0
1					
## 3455	0	0	0	0	1
0					
## 1205	197	1	0	0	1
0					
## 4690	164	0	0	0	1
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## 4228	0	0	1	0	0
0					
## 1768	0	0	0	0	1
0					
## 2807	0	0	0	0	1
0					
## 953	524	0	0	0	0
1					
## 2296	87	0	0	0	1
0					
## 2738	0	0	0	0	0
0					
## 4685	0	0	0	0	1
0					
## 4566	76	1	0	0	0
1					

## 1775	0	0	0	0	0
1					
## 3602	0	0	1	0	0
0					
## 3562	142	0	0	0	0
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## 1693	0	0	0	0	1
0					
## 2585	0	1	0	0	1
0					
## 3776	0	0	0	0	1
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## 3316	0	0	0	0	0
0					
## 2064	0	0	0	0	1
0					
## 1852	0	0	0	0	0
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## 838	81	0	0	0	1
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## 4576	0	1	0	0	0
0					
## 3212	0	0	0	0	1
0					
## 3712	99	0	0	0	1
0					
## 4408	0	0	0	0	1
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## 378	0	0	0	0	1
0					
## 607	208	0	0	0	1
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## 1300	0	0	1	0	1
0					
## 4352	0	0	0	0	1
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## 534	0	0	0	0	0
0					
## 3878	0	0	0	0	0
0					
## 1603	0	0	0	0	1
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## 1558	0	0	0	0	0
0					
## 556	137	0	0	1	1
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## 3322	0	0	0	0	1
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## 3003	83	0	0	0	0
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## 250	113	0	0	0	0
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## 4860	541	1	0	0	0
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## 2435	267	0	0	0	1
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## 945	0	0	0	0	0
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## 2772	0	0	0	0	0
0					
## 2394	0	0	0	0	1
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## 730	0	0	0	0	0
1					
## 1279	0	0	0	0	0
1					
## 3432	184	0	1	0	1
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## 4185	0	0	0	0	0
0					
## 749	0	0	0	0	0
0					
## 190	0	0	0	0	1
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## 224	0	0	0	0	1
0					
## 3624	95	0	0	0	0
0					
## 4238	0	0	1	0	0
0					
## 124	0	0	1	0	0
0					
## 3448	109	0	0	0	0
0					
## 4068	0	0	0	0	1
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## 4805	0	0	0	0	0
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## 2944	0	0	0	0	0
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## 3268	120	0	0	0	1
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## 4548	0	0	0	0	1
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## 808	0	0	0	0	1
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## 2708	0	1	0	1	1
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## 4237	0	0	0	0	1
1					

## 264	112	0	0	0	1
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## 2765	105	0	0	0	0
1					
## 2240	0	0	1	0	0
0					
## 4262	0	0	0	0	0
0					
## 9	104	0	0	0	1
0					
## 3721	229	1	0	0	1
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## 3695	0	0	0	0	1
0					
## 3892	0	0	0	0	1
0					
## 3022	461	0	0	0	1
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## 2423	400	0	0	0	0
0					
## 2169	0	0	0	0	1
0					
## 3111	0	0	0	0	0
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## 4657	0	0	1	0	0
0					
## 1526	0	0	0	0	0
0					
## 4194	0	0	0	0	1
0					
## 4152	0	1	0	1	1
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## 401	0	1	0	0	1
0					
## 3942	294	0	0	0	1
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## 3279	0	0	0	0	1
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## 684	0	0	0	0	0
0					
## 3008	102	0	0	0	0
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## 34	0	0	0	0	0
0					
## 4028	0	0	0	0	1
0					
## 3728	109	0	1	1	1
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## 4613	0	0	0	0	1
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## 1997	0	0	0	0	0
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## 3288	0	0	0	0	1
0					
## 4303	0	1	0	0	0
0					
## 2751	0	0	0	0	0
0					
## 877	0	0	0	0	1
0					
## 2374	0	1	0	0	0
0					
## 3299	89	0	0	0	0
0					
## 4300	133	0	0	0	1
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## 1302	337	0	0	0	0
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## 3755	0	0	0	0	1
1					
## 82	0	0	0	0	1
0					
## 571	485	1	1	1	0
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## 4382	0	0	0	0	1
0					
## 1060	0	0	0	0	1
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## 855	0	0	1	0	1
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## 830	0	0	0	0	1
0					
## 4857	0	0	0	0	1
0					
## 1468	0	0	0	0	0
0					
## 3799	144	0	0	0	1
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## 592	0	0	0	0	1
0					
## 1631	0	0	0	0	1
1					
## 289	391	1	1	1	1
0					
## 4509	0	0	0	0	1
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## 1322	0	0	0	0	0
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## 1882	0	0	0	0	0
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## 2206	0	0	0	0	0
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## 68	132	0	1	0	0
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## 4132	122	0	0	0	0
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## 828	88	0	0	0	1
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## 4282	162	0	0	0	0
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## 4807	0	0	0	0	1
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## 1691	0	0	0	0	0
0					
## 3759	0	0	0	0	1
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## 3575	0	0	0	0	0
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## 173	0	0	0	0	1
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## 391	0	0	0	0	1
0					
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## 4226	0	0	0	0	1
0					
## 505	0	0	0	0	1
0					
## 379	0	0	0	0	0
0					
## 2289	0	0	0	0	1
0					
## 3444	202	0	0	0	0
0					
## 3553	0	0	0	0	1
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## 935	0	0	0	0	1
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## 1958	0	0	0	0	1
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## 1316	181	0	0	0	0
0					
## 1144	0	1	0	0	1
0					
## 3469	0	0	0	0	0
1					
## 2814	0	0	0	0	1
0					

## 4168	0	1	0	0	0
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## 3846	230	0	0	0	0
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## 1061	0	0	0	0	0
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## 2878	0	0	0	0	0
1					
## 2408	0	0	0	0	1
0					
## 3450	0	1	1	1	1
0					
## 2438	0	0	0	0	0
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## 90	0	0	0	0	0
1					
## 2609	194	0	0	0	1
1					
## 2836	149	0	0	0	1
0					
## 1623	0	0	0	0	1
0					
## 1514	354	0	0	0	0
0					
## 3151	0	1	0	0	0
0					
## 377	0	0	0	0	0
0					
## 2600	0	0	0	0	0
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## 2699	0	0	0	0	1
1					
## 4927	0	0	0	0	0
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## 1689	359	0	0	0	1
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## 1005	0	0	0	0	1
0					
## 3510	0	0	0	0	0
0					
## 4101	0	0	0	0	1
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## 1954	83	0	0	0	1
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## 3387	0	1	0	0	0
0					
## 46	0	0	0	0	0
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## 248	111	1	1	1	1
0					

## 1511	0	0	0	0	1
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## 773	0	1	0	1	1
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## 3524	0	0	0	0	0
1					
## 3582	0	0	0	0	0
1					
## 3375	0	0	0	0	0
0					
## 3650	0	0	0	0	1
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## 1305	397	0	0	0	0
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## 2783	213	0	0	0	0
0					
## 4421	0	0	0	0	1
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## 4655	0	0	0	0	0
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## 4834	0	0	0	0	0
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## 40	285	0	0	0	1
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## 41	0	0	1	0	0
0					
## 1195	0	0	0	0	1
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## 143	0	0	0	0	0
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## 1608	0	0	0	0	0
0					
## 113	309	0	0	0	0
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## 555	0	0	0	0	1
0					
## 4076	0	0	0	0	1
0					
## 2648	0	0	0	0	1
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## 2255	109	0	0	0	0
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## 3158	84	0	0	0	1
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## 2166	154	0	0	0	1
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## 4388	0	0	0	0	0
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## 2690	249	0	0	0	0
0					

## 115	0	0	0	0	1
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## 2908	0	0	0	0	0
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## 4951	0	0	0	0	0
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## 4386	127	0	0	0	1
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## 431	161	0	0	0	1
0					
## 3503	90	0	0	0	1
0					
## 3625	0	0	0	0	0
0					
## 794	0	0	0	0	1
0					
## 1947	0	0	0	0	1
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## 3567	0	0	0	0	1
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## 4087	0	0	1	0	0
0					
## 4750	0	0	0	0	1
0					
## 1298	0	0	0	0	1
0					
## 1374	0	1	0	0	1
0					
## 516	211	0	0	0	0
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## 4280	86	0	0	0	1
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## 4444	169	0	0	0	0
0					
## 3159	0	0	1	0	1
0					
## 2100	0	0	0	0	0
0					
## 2705	0	0	0	0	1
0					
## 2384	0	0	0	0	1
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## 1830	0	0	0	0	1
0					
## 1359	0	0	0	0	1
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## 2867	0	0	1	1	1
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## 1581	0	0	0	0	0
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## 1862	0	0	1	1	1
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## 911	0	0	0	0	0
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## 4406	245	0	0	0	1
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## 682	0	1	0	0	1
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## 2579	0	0	0	0	0
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## 667	0	0	1	1	1
1					
## 3435	78	0	0	0	0
0					
## 2810	0	1	1	1	1
1					
## 715	0	0	0	0	0
0					
## 515	0	0	0	0	1
0					
## 798	0	0	0	0	1
0					
## 2511	0	0	0	0	1
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## 3652	0	1	0	0	0
1					
## 1164	227	0	0	0	1
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## 1778	114	0	0	0	1
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## 2889	0	0	0	0	1
1					
## 1875	218	0	0	0	1
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## 4610	143	0	0	0	0
0					
## 738	0	1	0	0	1
0					
## 2522	0	0	0	0	1
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## 2729	247	0	0	0	1
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## 1594	0	0	0	0	1
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## 4915	0	0	0	0	0
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## 2002	0	1	0	0	0
1					
## 202	0	0	0	0	1
1					

## 4967	143	0	0	0	0
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## 4291	0	0	0	0	1
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## 3202	0	0	0	0	0
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## 3502	0	0	1	0	1
0					
## 2756	0	0	0	0	1
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## 4595	78	0	0	0	1
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## 4659	0	0	0	0	1
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## 4400	0	0	0	0	0
0					
## 759	0	0	1	0	0
0					
## 1560	115	1	0	0	1
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## 2115	0	0	0	0	1
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## 2155	0	0	0	0	0
0					
## 4570	0	0	1	0	0
0					
## 891	79	0	0	0	1
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## 4999	0	0	0	0	1
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## 2142	0	0	0	0	0
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## 1796	0	0	0	0	0
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## 3902	0	0	0	0	1
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## 2228	0	0	0	0	1
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## 2617	103	0	0	0	1
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## 3277	0	1	0	0	0
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## 340	0	0	0	0	0
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## 3850	0	0	1	0	0
0					
## 3968	0	0	0	0	1
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## 3426	90	0	0	0	1
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## 4826	0	0	0	0	1
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## 900	0	1	0	0	0
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## 4943	308	0	0	1	1
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## 3086	0	0	0	0	0
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## 2560	0	0	0	0	1
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## 2288	90	0	0	0	1
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## 3413	0	0	0	0	0
0					
## 1554	0	0	0	0	0
0					
## 4340	0	0	0	0	0
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## 2235	0	0	0	0	1
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## 1698	0	0	0	0	1
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## 1376	0	1	0	0	0
1					
## 4433	0	0	0	0	1
0					
## 2565	0	0	0	0	1
0					
## 857	0	0	0	0	0
0					
## 1098	184	1	0	0	0
1					
## 3738	0	0	0	0	1
0					
## 4192	132	0	0	0	0
0					
## 1142	0	1	0	0	1
0					
## 2041	0	0	0	0	0
0					
## 3119	0	0	0	0	1
0					
## 3561	126	0	0	0	1
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## 2934	0	0	0	0	1
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## 2538	0	0	0	0	1
0					
## 3907	0	0	0	0	1
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## 4325	111	0	0	0	1
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## 3941	102	0	0	0	1
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## 4494	0	0	0	0	1
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## 1000	0	0	0	0	1
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## 1244	0	0	0	0	1
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## 1632	0	1	1	1	0
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## 2239	0	0	0	0	1
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## 1939	0	0	0	0	1
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## 1773	119	0	0	0	0
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## 2539	297	0	0	0	1
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## 4847	0	1	0	0	1
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## 4646	84	0	0	0	0
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## 619	115	0	0	0	1
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## 1096	137	0	0	0	1
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## 4920	0	0	0	0	1
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## 2182	105	0	0	0	1
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## 1636	0	0	0	0	0
0					
## 1243	0	0	0	0	1
0					
## 2282	0	0	0	0	1
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## 2185	0	1	0	0	0
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## 3517	148	0	0	0	1
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## 1324	0	0	0	0	0
0					
## 4231	202	0	0	0	1
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## 162	0	0	0	0	1
0					
## 237	0	0	0	0	1
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## 4102	0	0	0	0	1
1					
## 2663	0	0	0	0	0
0					
## 4773	0	0	0	0	1
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## 2365	0	0	0	0	0
1					
## 873	0	0	0	0	1
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## 2666	0	0	0	0	0
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## 3769	170	0	0	1	1
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## 4726	0	0	0	0	0
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## 1291	0	0	0	0	1
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## 1211	0	0	0	0	1
0					
## 2877	238	0	0	0	0
0					
## 4810	0	0	0	0	0
0					
## 3636	0	0	0	0	1
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## 2129	0	0	0	0	0
0					
## 2520	0	0	0	0	1
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## 1528	195	0	0	0	0
0					
## 53	207	0	0	0	0
0					
## 2526	0	0	0	0	1
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## 4108	0	0	0	0	0
1					
## 1965	111	0	0	0	0
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## 1578	227	1	0	0	1
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## 426	0	0	0	0	1
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## 4993	0	0	0	0	0
0					
## 1827	171	0	0	0	0
0					
## 310	0	0	1	0	1
0					
## 1718	233	0	0	0	0
0					
## 3566	0	0	0	0	0
1					
## 616	0	0	0	0	0
0					
## 1261	137	0	0	0	1
1					
## 1092	0	0	0	0	1
1					
## 4620	96	0	0	0	0
0					
## 1411	0	0	0	0	0
0					
## 1964	0	0	0	0	0
1					
## 2211	0	0	0	0	0
0					
## 23	260	0	0	0	1
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## 3874	185	0	0	0	1
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## 547	203	0	1	0	0
0					
## 1645	131	0	0	0	0
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## 4414	0	0	0	0	0
1					
## 756	0	0	0	0	0
1					
## 4004	0	0	0	0	1
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## 4339	0	0	0	0	1
0					
## 1818	0	0	0	0	0
1					
## 829	75	0	0	0	1
0					
## 1782	0	0	0	0	0
1					

## 4213	98	0	0	0	1
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## 1160	0	0	0	0	0
1					
## 1163	394	0	0	0	0
0					
## 2872	252	0	0	0	1
0					
## 3626	0	0	0	0	1
0					
## 182	81	0	0	0	0
0					
## 3889	251	0	0	0	1
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## 1897	0	0	1	0	0
1					
## 2168	0	0	0	0	1
0					
## 451	0	0	0	0	1
1					
## 240	0	0	0	0	0
0					
## 1619	0	0	0	0	1
1					
## 294	0	0	0	0	0
0					
## 4649	0	0	0	0	1
0					
## 3475	0	0	0	0	1
0					
## 677	103	0	0	0	0
1					
## 2862	151	0	0	0	0
1					
## 2112	0	0	0	0	1
0					
## 3309	0	0	0	0	0
1					
## 4942	0	1	0	0	1
0					
## 4160	0	0	0	0	1
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## 72	0	0	0	0	1
0					
## 2828	0	0	0	0	1
1					
## 1332	0	0	0	0	1
0					
## 1981	0	0	0	0	1
0					

## 4143	0	0	0	0	0
0					
## 1929	0	0	0	0	1
0					
## 2032	0	0	0	0	1
0					
## 4551	0	0	0	0	1
0					
## 2602	167	0	0	0	0
0					
## 406	290	0	1	1	1
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## 4464	0	0	0	0	0
0					
## 1295	257	0	0	0	1
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## 965	157	0	1	0	1
0					
## 1169	0	0	0	0	1
0					
## 1685	249	0	0	0	0
0					
## 54	240	1	0	0	1
0					
## 4780	0	0	0	0	1
0					
## 4953	0	0	0	0	1
0					
## 777	91	1	0	0	1
0					
## 538	0	1	0	0	1
0					
## 2272	0	0	0	0	1
1					
## 4831	217	0	0	0	1
0					
## 2247	266	1	0	0	0
0					
## 3953	0	0	1	0	0
1					
## 4309	308	1	0	0	0
0					
## 4684	0	0	0	0	0
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## 3981	0	0	0	0	1
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## 4817	0	0	0	0	0
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## 1431	0	0	0	0	1
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## 2595	0	0	0	0	0
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## 4040	0	0	0	0	1
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## 1214	87	0	0	0	0
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## 3819	0	0	0	0	0
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## 4743	90	0	0	0	1
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## 569	161	0	0	0	1
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## 2604	0	0	0	0	1
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## 4837	218	0	0	0	0
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## 1983	110	0	0	0	1
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## 2163	155	0	0	0	1
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## 4473	0	0	0	0	1
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## 2188	0	0	0	0	0
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## 4261	0	0	0	0	1
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## 4177	0	0	0	0	0
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## 2392	0	1	0	0	1
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## 464	0	1	1	1	1
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## 2030	0	0	0	0	1
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## 3167	0	0	0	0	1
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## 1692	0	0	0	0	0
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## 3752	0	0	0	0	1
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## 642	0	0	0	0	0
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## 3216	0	0	0	0	1
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## 4992	100	0	0	0	0
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## 3758	0	1	0	0	1
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## 4529	0	0	0	0	0
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## 3051	0	0	0	0	1
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## 4625	0	0	0	0	0
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## 2179	0	1	0	1	1
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## 4564	0	0	1	0	1
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## 1935	0	0	0	0	1
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## 2475	0	0	0	0	0
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## 4093	0	0	0	0	1
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## 602	0	0	0	0	1
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## 2695	0	0	0	0	1
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## 2044	0	0	0	0	1
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## 1423	103	0	0	1	1
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## 3555	0	0	1	0	0
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## 704	92	0	0	0	0
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## 3235	0	0	0	0	1
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## 3416	0	0	0	0	1
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## 3785	0	1	0	0	1
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## 2509	0	0	1	0	1
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## 459	0	0	0	0	1
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## 468	0	0	0	0	0
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## 4307	0	0	0	0	1
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## 1936	0	1	0	1	1
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## 2051	98	0	0	0	0
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## 4118	0	0	1	0	0
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## 2287	128	0	0	0	1
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## 196	95	0	1	0	1
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## 1865	0	0	0	0	0
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## 853	127	0	0	0	0
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## 2356	0	0	0	0	1
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## 4765	0	0	0	0	1
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## 259	0	0	0	0	1
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## 3530	0	0	0	0	1
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## 1669	0	0	1	0	0
1					
## 3971	0	0	0	0	0
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## 708	0	0	0	0	1
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## 3324	0	0	0	0	1
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## 1702	0	0	0	0	0
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## 697	82	0	0	0	1
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## 4838	0	0	0	0	0
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## 4661	0	0	0	0	1
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## 4241	509	0	1	0	0
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## 2076	0	0	0	0	0
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## 4854	0	0	0	0	1
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## 4041	157	0	0	0	0
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## 692	113	0	0	0	1
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## 4905	243	0	0	0	1
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## 2874	0	0	1	0	1
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## 3655	177	0	0	0	0
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## 4071	0	0	1	0	0
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## 4490	0	0	0	0	1
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## 4584	0	1	0	0	1
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## 1125	0	0	0	0	0
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## 2887	0	0	0	0	1
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## 3122	0	0	0	0	0
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## 997	214	0	0	0	0
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## 1448	0	0	0	0	1
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## 1457	0	0	0	0	1
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## 907	130	0	0	0	0
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## 686	0	0	0	0	1
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## 4839	0	0	0	0	0
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## 1746	0	0	1	0	0
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## 3245	0	0	0	0	1
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## 2707	0	0	0	0	1
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## 4037	0	0	0	0	1
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## 3861	0	0	0	0	1
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## 2200	98	0	0	0	0
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## 4420	272	0	0	0	0
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## 558	0	0	0	0	0
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## 3143	0	1	1	1	1
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## 3603	0	0	0	0	1
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## 4543	0	0	1	1	1
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## 2962	0	0	0	0	1
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## 949	259	0	0	0	1
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## 3229	0	0	0	0	0
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## 4171	0	0	0	0	1
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## 2449	0	0	0	0	1
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## 4803	0	0	0	0	1
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## 2039	0	0	0	0	1
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## 2716	0	0	0	0	1
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## 104	0	0	0	0	1
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## 2372	0	0	0	0	0
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## 3315	0	0	0	0	1
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## 711	87	0	0	0	1
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## 2441	0	0	0	0	0
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## 3150	0	0	0	0	1
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## 2712	0	0	0	0	1
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## 4806	249	0	0	0	1
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## 1213	0	0	0	0	0
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## 1855	0	0	0	0	1
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## 1053	103	0	0	0	1
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## 4217	0	1	0	0	1
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## 4510	0	0	0	0	1
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## 1453	0	0	0	0	1
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## 4111	0	0	0	0	0
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## 3198	0	0	0	0	1
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## 3230	0	0	0	0	0
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## 3522	0	0	0	0	1
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## 4390	0	0	1	1	1
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## 621	0	1	0	0	1
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## 1610	0	0	1	1	1
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## 1793	0	0	0	1	1
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## 1236	0	0	0	0	0
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## 463	0	1	0	0	1
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## 566	0	0	0	0	1
0					
## 1176	0	0	0	0	1
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## 3545	0	0	0	0	0
0					
## 4428	0	0	0	0	0
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## 2096	0	1	0	0	0
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## 4954	75	0	0	0	1
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## 604	89	0	0	0	1
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## 2788	0	0	0	0	0
0					
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## 3744	194	0	0	0	1
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## 3890	121	0	0	0	1
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## 325	0	1	0	0	0
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## 3920	400	1	0	0	0
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## 263	0	0	0	1	1
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## 1386	83	0	0	0	0
1					
## 4879	0	0	0	0	1
0					
## 4617	0	0	0	0	1
1					
## 4013	0	0	0	0	1
0					
## 2896	140	0	0	0	1
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## 2382	0	0	0	0	1
0					
## 323	0	1	1	1	1
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## 1281	333	0	0	0	0
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## 1857	0	0	0	0	1
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## 4732	0	0	0	0	1
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## 3904	0	0	0	0	0
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## 467	0	0	0	0	1
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## 16	0	0	0	0	1
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## 36	0	0	0	0	0
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## 2685	129	0	1	1	1
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## 3977	194	0	0	0	1
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## 3737	0	0	0	0	0
0					
## 928	138	1	0	0	0
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## 3089	138	0	0	0	0
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## 1962	0	0	0	0	0
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## 1984	0	0	0	0	0
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## 130	0	0	0	0	0
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## 560	138	0	0	0	1
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## 1867	334	0	0	0	1
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## 3611	79	0	0	0	1
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## 2418	0	0	0	0	1
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## 2645	0	0	0	0	0
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## 3649	0	0	0	0	1
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## 2306	0	0	0	1	1
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## 3640	0	0	1	0	1
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## 993	0	0	0	0	1
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## 3818	0	0	0	0	0
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## 4958	0	0	0	0	0
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## 83	0	0	0	0	1
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## 1315	0	0	0	0	0
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## 4117	0	0	0	0	1
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## 4680	0	0	0	0	0
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## 640	0	0	0	0	1
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## 1186	0	0	0	0	0
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## 594	0	0	0	0	1
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## 3809	0	0	0	0	0
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## 1109	0	0	0	0	1
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## 2907	0	0	0	0	1
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## 3947	0	0	0	0	1
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## 1844	0	0	0	0	0
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## 3996	0	0	0	0	1
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## 1437	0	0	0	0	1
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## 512	0	0	0	0	0
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## 434	141	0	0	0	1
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## 322	82	1	0	0	0
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## 1084	0	0	1	0	0
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## 4864	142	0	0	0	1
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## 3771	79	0	0	0	0
0					
## 3410	84	0	0	0	1
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## 881	177	0	0	0	1
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## 510	112	0	0	0	1
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## 3935	126	0	0	0	0
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## 1672	0	0	0	0	1
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## 1062	0	0	0	0	1
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## 4623	0	0	0	0	1
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## 4542	405	0	0	0	1
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## 1288	0	0	0	0	0
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## 2336	0	0	0	0	0
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## 1111	83	0	0	0	1
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## 1781	267	0	0	0	1
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## 2328	0	0	1	0	1
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## 3494	0	0	0	0	1
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## 4763	232	0	0	0	1
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## 4314	0	0	0	0	1
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## 2601	0	0	0	0	0
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## 3274	0	0	0	0	0
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## 4607	0	0	0	0	1
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## 869	0	0	1	0	0
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## 4	0	0	0	0	0
0					
## 3409	0	0	0	0	1
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## 4952	0	0	0	0	1
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## 1199	101	0	0	0	1
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## 4399	0	0	0	0	0
0					
## 4923	0	0	0	0	1
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## 1143	0	0	0	0	0
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## 1389	0	0	0	0	0
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## 4327	102	0	0	0	1
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## 1571	0	1	0	0	0
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## 2248	103	0	0	0	0
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## 4312	111	0	0	0	0
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## 3993	0	1	0	0	0
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## 1024	366	0	0	0	1
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## 898	137	0	0	0	1
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## 3135	89	0	0	0	1
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## 3791	0	0	0	0	1
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## 4768	101	0	1	0	0
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## 2755	119	0	0	0	0
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## 2410	219	0	0	0	1
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## 2209	185	0	1	0	1
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## 2097	93	0	0	0	0
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## 4355	0	1	0	0	0
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## 792	0	0	0	0	1
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## 1920	120	0	0	0	0
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## 1513	0	0	0	0	0
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## 3056	0	0	0	0	1
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## 4127	131	0	0	0	0
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## 2591	374	1	0	1	1
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## 3536	0	0	0	0	1
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## 2141	0	0	1	0	1
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## 2735	0	0	0	0	1
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## 141	161	0	0	0	1
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## 4505	147	0	0	0	0
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## 2592	0	0	0	0	0
0					
## 3125	0	0	0	0	1
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## 3487	0	0	0	0	0
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## 4159	0	0	0	0	1
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## 2386	0	1	0	0	0
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## 1879	159	0	1	0	1
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## 646	322	0	0	0	0
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## 1593	0	1	0	1	1
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## 4731	159	0	0	0	0
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## 3711	0	0	0	0	1
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## 3377	0	0	0	0	0
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## 4483	0	0	0	0	0
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## 2486	0	0	0	0	0
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## 4871	0	0	0	0	1
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## 2748	0	0	0	0	0
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## 149	116	0	0	0	1
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## 985	0	0	0	0	0
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## 3077	0	0	0	0	0
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## 3995	0	0	0	0	1
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## 1765	0	0	0	0	1
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## 2495	0	0	0	0	1
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## 4290	0	0	0	0	1
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## 2981	0	0	0	0	0
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## 977	0	0	1	0	0
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## 170	0	0	0	0	0
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## 4824	0	1	1	1	1
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## 4876	0	0	0	0	1
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## 1086	0	0	1	0	0
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## 4629	0	1	0	0	0
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## 1095	0	0	0	0	1
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## 2083	0	0	0	0	1
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## 1085	0	1	0	0	0
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## 1681	0	0	0	0	0
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## 3441	0	0	0	0	0
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## 238	0	0	0	0	1
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## 3272	0	1	0	0	0
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## 2025	0	1	0	0	0
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## 713	0	0	0	0	1
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## 4956	0	0	0	0	1
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## 1677	104	0	0	0	1
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## 410	125	0	0	0	1
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## 4074	0	0	0	0	0
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## 3779	0	0	0	0	0
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## 3849	0	0	0	0	0
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## 4268	0	1	0	0	1
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## 2553	0	0	0	0	0
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## 1568	0	0	0	0	1
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## 2148	0	0	0	0	0
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## 1697	132	0	0	0	0
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## 4916	0	0	0	0	0
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## 1166	0	0	0	0	0
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## 4377	272	0	0	0	1
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## 2238	0	0	0	0	1
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## 2793	117	0	0	0	1
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## 1467	277	0	0	0	0
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## 3341	0	0	0	0	0
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## 478	78	0	0	0	1
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## 2299	0	0	0	0	0
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## 3767	304	1	0	0	1
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## 4628	307	1	0	0	1
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## 4046	0	0	0	0	1
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## 3838	0	0	0	0	1
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## 741	0	0	0	0	0
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## 2647	123	1	0	0	0
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## 4501	0	0	0	0	0
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## 4233	0	0	0	0	0
0					
## 870	0	0	0	0	0
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## 746	0	0	0	0	0
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## 3708	0	0	0	0	0
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## 2753	111	0	0	0	1
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## 1451	0	0	0	0	1
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## 114	103	0	0	0	0
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## 253	0	0	0	0	0
1					
## 2782	104	0	0	0	0
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## 1150	0	0	0	0	0
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## 1425	287	0	0	0	1
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## 716	0	0	1	1	1
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## 3824	194	0	0	0	1
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## 4586	571	1	0	1	1
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## 1056	0	0	1	0	1
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## 1396	305	1	0	0	0
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## 1254	204	0	0	0	1
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## 2835	91	0	1	0	0
0					
## 3407	0	0	0	0	0
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## 1402	0	0	0	0	1
0					
## 1789	0	0	0	0	1
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## 4466	0	0	0	0	0
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## 4781	0	0	0	0	1
0					
## 2963	0	0	0	0	0
0					
## 2099	272	0	0	0	0
0					
## 3342	0	0	1	0	1
0					
## 1705	0	0	0	0	0
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## 1100	0	0	0	0	1
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## 86	0	0	0	0	0
0					
## 476	0	1	0	0	0
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## 2009	125	0	0	0	1
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## 4631	0	0	0	0	0
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## 889	372	1	0	0	0
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## 4812	0	1	0	0	0
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## 3195	0	0	0	0	0
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## 1994	0	0	0	0	0
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## 4294	173	0	0	0	1
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## 3633	0	0	0	0	0
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## 2011	0	0	0	0	0
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## 627	100	0	0	0	0
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## 226	0	0	0	0	0
1					
## 2325	114	0	0	0	1
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## 97	0	0	0	0	0
0					
## 4275	0	0	0	0	1
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## 448	0	0	0	0	0
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## 1982	0	0	0	0	1
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## 4397	0	0	0	0	1
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## 842	0	0	1	0	0
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## 2363	0	0	0	0	1
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## 3832	0	0	0	0	0
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## 2485	112	0	1	0	0
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## 2236	0	0	0	0	1
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## 261	0	0	0	0	0
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## 1536	0	0	0	0	1
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## 663	0	1	0	0	0
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## 2886	327	1	0	0	1
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## 4056	0	0	0	0	1
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## 1065	0	1	0	0	1
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## 4615	102	0	0	0	0
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## 2784	0	0	0	1	1
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## 3795	0	0	1	0	1
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## 3025	0	0	0	0	1
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## 1297	219	0	0	0	1
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## 1795	0	1	0	0	0
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## 2530	0	0	0	0	1
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## 1058	0	0	0	0	1
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## 3952	106	0	0	0	1
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## 3688	0	0	0	0	0
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## 2674	122	0	0	0	1
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## 2368	0	0	0	0	1
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## 524	0	0	0	0	0
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## 662	0	0	0	0	1
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## 1233	297	0	0	0	1
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## 981	0	0	0	0	1
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## 2065	0	0	0	0	0
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## 3083	129	0	0	0	1
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## 3394	0	0	0	0	1
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## 2673	0	1	0	0	0
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## 70	0	0	0	0	1
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## 3600	91	0	0	1	1
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## 2212	94	0	0	0	1
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## 163	0	0	0	0	0
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## 2445	0	0	0	0	1
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## 986	159	0	0	0	0
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## 1026	169	0	0	0	1
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## 3294	0	0	1	0	1
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## 2863	0	0	0	0	1
0					
## 3607	96	0	0	0	1
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## 477	0	0	1	0	0
1					
## 3319	0	1	0	0	0
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## 1577	0	0	0	0	1
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## 3568	123	0	0	0	1
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## 3628	0	0	0	0	0
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## 2118	0	0	0	0	1
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## 3772	341	0	0	0	0
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## 288	0	0	0	0	0
1					
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## 3124	126	0	0	0	1
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## 398	0	0	0	0	1
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## 4440	0	1	0	0	0
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## 3185	0	0	0	0	1
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## 726	0	0	0	0	0
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## 2725	157	0	0	1	1
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## 2536	129	0	0	0	0
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## 1023	0	1	0	0	1
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## 3998	0	0	0	0	0
0					
## 160	0	0	1	0	1
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## 3192	0	0	0	0	0
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## 732	0	0	0	0	1
1					
## 1723	0	0	1	1	1
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## 381	0	0	0	0	1
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## 4369	0	0	1	1	1
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## 772	106	0	1	0	1
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## 1406	0	1	0	1	1
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## 283	0	0	0	0	1
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## 698	0	0	0	0	1
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0					
## 1275	0	0	0	0	0
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## 4319	0	0	0	0	0
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## 333	0	0	0	0	1
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## 599	90	0	0	0	0
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## 4604	0	0	0	0	1
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## 1898	0	0	0	0	0
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## 2804	0	0	0	0	1
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## 3174	0	0	0	0	1
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## 4546	0	0	0	0	1
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## 456	0	0	0	0	1
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## 1797	0	0	0	0	1
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## 2637	0	0	0	0	1
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## 3317	0	0	0	0	1
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## 2623	0	0	0	0	1
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## 4572	0	0	0	0	0
0					
## 3091	0	0	0	0	1
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## 1349	97	0	0	0	1
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## 2472	85	0	0	0	1
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## 3314	0	0	0	0	0
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## 4665	0	0	0	0	0
0					
## 4709	0	0	0	0	1
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## 2146	0	0	0	0	1
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## 2335	0	0	0	0	0
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## 241	169	0	0	0	0
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## 2491	118	1	0	0	1
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## 4418	0	0	0	0	1
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## 3725	119	0	0	0	0
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## 3538	0	0	0	0	1
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## 1663	0	0	0	0	0
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## 1444	0	0	0	0	1
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## 1384	230	0	1	0	1
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## 519	0	0	0	0	1
0					
## 1153	0	0	0	0	1
0					
## 767	0	0	0	0	0
0					
## 821	0	0	0	0	1
0					
## 874	134	0	0	0	0
0					
## 2323	0	0	0	0	1
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## 826	0	0	0	0	0
0					
## 3483	81	0	1	0	0
0					
## 3406	0	0	0	0	1
0					
## 848	252	0	0	0	1
0					

## 63	0	0	0	0	0
0					
## 1245	99	1	0	0	0
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## 2477	0	0	0	0	1
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## 4561	0	0	0	1	1
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## 50	0	0	0	0	0
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## 3816	96	0	0	0	1
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## 2619	145	0	0	0	1
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## 1974	78	0	0	0	0
0					
## 4150	0	0	0	0	1
0					
## 4091	0	0	1	0	1
0					
## 3965	0	0	0	0	0
0					
## 326	0	0	0	0	1
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## 1532	0	0	0	0	1
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## 1955	277	0	0	0	1
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## 925	0	0	1	0	0
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## 3001	0	1	0	0	0
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## 948	84	0	0	0	1
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## 1225	0	0	0	0	1
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## 529	378	1	0	0	1
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## 2413	148	0	0	0	0
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## 1133	0	0	1	1	1
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## 362	0	0	0	0	1
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## 112	0	0	0	0	1
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## 3543	0	1	0	0	1
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## 1337	0	0	0	0	1
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## 126	0	0	0	0	1
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## 214	0	0	0	0	1
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## 2568	0	0	0	0	0
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## 803	214	0	0	0	1
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## 3414	0	0	0	0	0
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## 1193	0	0	0	0	0
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## 4145	0	0	0	0	1
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## 2721	0	0	0	0	0
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## 389	0	1	0	0	0
0					
## 931	0	0	0	0	1
0					
## 4456	0	0	1	1	1
1					
## 657	145	0	0	0	0
0					
## 3019	99	0	0	0	1
1					
## 4245	93	0	0	0	1
0					
## 2995	0	0	0	0	1
0					
## 952	0	1	0	0	1
0					
## 2550	79	0	0	0	0
1					
## 454	0	0	1	0	0
0					
## 2682	0	0	0	0	0
0					
## 3107	0	0	0	0	0
0					
## 962	163	0	0	0	1
0					

## 2709	160	0	0	0	0
1					
## 4870	0	0	0	0	0
1					
## 194	0	0	0	0	1
1					
## 2754	477	1	0	0	0
0					
## 1271	0	0	0	0	0
1					
## 2094	0	0	0	0	1
1					
## 4195	0	0	0	0	1
0					
## 1223	94	0	0	0	0
0					
## 3000	0	0	0	0	0
1					
## 1995	0	0	0	0	0
0					
## 1678	131	0	0	0	0
0					
## 207	0	0	1	0	1
0					
## 1517	0	0	0	0	0
0					
## 3232	0	0	1	0	1
0					
## 3685	103	0	0	0	1
0					
## 2443	0	0	0	0	0
0					
## 1391	0	0	0	0	1
1					
## 4250	0	0	0	0	1
0					
## 3676	0	0	0	0	1
0					
## 3168	228	0	0	0	0
1					
## 2618	0	0	0	0	1
0					
## 4045	99	0	1	0	0
0					
## 2880	0	0	0	0	0
0					
## 2225	0	0	0	0	1
0					
## 4987	0	0	0	0	0
0					

## 2090	0	0	0	0	1
0					
## 2417	80	0	0	0	1
0					
## 394	109	0	1	1	1
1					
## 3639	0	0	0	0	1
0					
## 4200	0	0	0	0	0
1					
## 3281	0	0	0	0	0
0					
## 3049	103	0	0	0	1
0					
## 706	0	0	0	0	1
0					
## 3866	0	0	0	0	0
0					
## 3666	0	0	1	0	0
0					
## 3263	0	0	0	0	1
0					
## 4842	135	0	0	0	1
0					
## 3062	206	0	1	0	1
0					
## 4742	0	0	0	0	1
0					
## 4263	0	0	0	0	0
0					
## 388	0	0	0	0	1
0					
## 1621	0	0	0	0	1
0					
## 957	0	0	0	0	1
0					
## 354	0	0	0	0	1
0					
## 1860	80	0	0	0	0
0					
## 1503	0	0	0	0	1
1					
## 4997	85	0	0	0	1
0					
## 404	0	0	0	0	0
0					
## 3794	0	0	0	0	1
0					
## 1928	0	0	0	0	0
0					

## 1569	226	0	0	0	0
0					
## 3385	153	0	1	0	1
0					
## 2893	0	0	0	0	1
0					
## 179	0	0	0	0	1
1					
## 2939	0	0	0	0	1
0					
## 856	77	0	0	0	1
0					
## 346	78	0	1	0	1
0					
## 605	240	0	0	0	0
1					
## 652	131	0	0	0	0
0					
## 2453	0	0	0	0	1
0					
## 301	0	0	1	0	0
0					
## 3374	442	1	0	1	1
1					
## 1785	0	1	1	1	0
0					
## 1471	0	0	0	0	0
1					
## 2031	207	0	1	1	1
1					
## 1036	0	0	1	0	1
0					
## 210	282	1	0	1	1
1					
## 4086	0	0	0	0	1
0					
## 3945	0	0	0	0	1
0					
## 2931	99	0	0	0	1
0					
## 1836	284	0	0	0	1
1					
## 4895	0	0	1	0	0
0					
## 134	0	0	0	0	1
0					
## 1290	0	0	0	0	0
0					
## 2329	192	1	0	0	1
0					

## 2073	137	0	0	0	1
1					
## 3960	0	1	0	0	1
0					
## 4324	151	0	1	0	1
0					
## 3271	0	1	0	0	1
0					
## 1523	256	0	0	0	0
1					
## 2126	101	0	0	0	1
0					
## 4513	0	0	0	0	1
1					
## 1138	0	1	1	1	1
0					
## 1429	90	0	0	0	1
0					
## 1843	256	0	0	0	1
0					
## 424	0	0	0	0	0
0					
## 3164	0	0	0	0	0
0					
## 1006	0	0	1	0	1
0					
## 3368	0	0	0	0	1
0					
## 1628	0	0	0	0	1
1					
## 2338	0	1	0	0	0
1					
## 4334	139	0	0	0	1
0					
## 1976	0	0	0	0	1
1					
## 3	0	0	0	0	0
0					
## 2260	0	0	0	0	1
0					
## 693	111	0	0	0	0
0					
## 3454	0	0	0	0	1
0					
## 2001	0	0	0	0	1
0					
## 2270	0	0	0	0	1
0					
## 2965	0	0	0	0	1
0					

## 1850	0	0	0	0	1
0					
## 4345	0	0	0	0	1
0					
## 3782	333	0	0	1	1
1					
## 140	0	0	0	0	1
0					
## 1405	0	0	0	0	1
0					
## 1126	0	0	0	0	0
0					
## 3975	0	0	0	0	0
0					
## 3570	0	0	1	0	1
0					
## 2581	0	0	0	0	0
0					
## 4522	0	0	0	0	0
0					
## 3052	0	0	0	0	1
0					
## 2518	0	0	0	0	0
1					
## 3694	0	0	0	0	0
0					
## 2366	0	0	0	0	0
0					
## 4094	0	1	0	0	1
0					
## 4335	0	0	0	0	0
0					
## 341	0	0	0	0	1
1					
## 1312	125	0	0	0	0
0					
## 3777	449	1	0	0	0
1					
## 4442	0	0	0	0	0
0					
## 2054	161	0	1	1	1
1					
## 2098	113	0	0	0	1
0					
## 3648	0	0	0	0	0
1					
## 274	0	0	0	0	1
0					
## 91	0	1	0	0	1
0					

```

## 585      300      0      0      0      1
0
## 978      205      0      0      0      1
0
## 3108      0      0      0      0      0
0
## 2371      0      0      0      0      0
1
## 2364      90      0      0      0      1
0
## 1986      79      0      0      0      0
0
## 2450      0      0      0      0      1
0
## 880       0      0      0      0      1
0
## 1903     107      0      0      0      1
1
## 2224      0      0      1      0      0
0

```

```

tempdata<-universal_m.df[-a, ]
tempdata

```

```

##      Age Experience Income Family CCAvg Education.1 Education.2
Education.3
## 1      25          1     49      4  1.60          1          0
0
## 2      45         19     34      3  1.50          1          0
0
## 5      35          8     45      4  1.00          0          1
0
## 6      37         13     29      4  0.40          0          1
0
## 8      50         24     22      1  0.30          0          0
1
## 10     34          9    180      1  8.90          0          0
1
## 12     29          5     45      3  0.10          0          1
0
## 13     48         23    114      2  3.80          0          0
1
## 18     42         18     81      4  2.40          1          0
0
## 19     46         21    193      2  8.10          0          0
1
## 20     55         28     21      1  0.50          0          1
0
## 21     56         31     25      4  0.90          0          1
0

```

## 24	44	18	43	2	0.70	1	0
0							
## 25	36	11	152	2	3.90	1	0
0							
## 26	43	19	29	3	0.50	1	0
0							
## 28	46	20	158	1	2.40	1	0
0							
## 30	38	13	119	1	3.30	0	1
0							
## 31	59	35	35	1	1.20	0	0
1							
## 32	40	16	29	1	2.00	0	1
0							
## 33	53	28	41	2	0.60	0	0
1							
## 35	31	5	50	4	1.80	0	0
1							
## 42	34	9	60	3	2.30	1	0
0							
## 43	32	7	132	4	1.10	0	1
0							
## 45	46	20	104	1	5.70	1	0
0							
## 47	39	14	43	3	0.70	0	1
0							
## 49	56	26	81	2	4.50	0	0
1							
## 52	61	37	131	1	2.90	1	0
0							
## 57	55	30	29	3	0.10	0	1
0							
## 59	28	2	93	2	0.20	1	0
0							
## 60	31	5	188	2	4.50	1	0
0							
## 62	47	21	125	1	5.70	1	0
0							
## 65	47	23	105	2	3.30	1	0
0							
## 67	62	36	105	2	2.80	1	0
0							
## 69	47	21	60	3	2.10	1	0
0							
## 71	42	18	115	1	3.50	1	0
0							
## 73	44	20	130	1	5.00	1	0
0							
## 74	41	16	85	1	4.00	0	0
1							

## 75	28	3	135	2	3.30	1	0
0							
## 76	31	7	135	4	3.80	0	1
0							
## 77	58	32	12	3	0.30	0	0
1							
## 78	46	20	29	3	0.50	0	1
0							
## 79	54	30	133	2	2.60	0	0
1							
## 85	46	22	18	1	0.90	0	0
1							
## 88	48	22	78	3	1.10	1	0
0							
## 89	65	41	51	2	1.10	1	0
0							
## 93	43	19	34	3	0.60	0	1
0							
## 94	60	34	64	2	1.70	0	0
1							
## 95	65	39	121	1	2.00	1	0
0							
## 96	38	12	48	4	0.20	0	0
1							
## 98	54	28	161	1	2.90	1	0
0							
## 100	66	41	15	3	0.10	0	0
1							
## 103	53	23	44	3	1.00	0	0
1							
## 106	24	0	35	3	0.10	0	1
0							
## 107	43	17	69	4	2.90	1	0
0							
## 111	41	14	9	3	1.00	0	1
0							
## 117	54	29	35	1	1.50	0	1
0							
## 118	58	33	61	2	2.30	0	0
1							
## 119	41	16	73	3	3.00	1	0
0							
## 120	32	7	112	1	4.60	1	0
0							
## 123	58	32	73	2	0.70	0	1
0							
## 125	39	15	78	4	2.40	1	0
0							
## 131	28	4	81	3	1.50	1	0
0							

## 136	58	33	45	4	2.10	1	0
0							
## 137	59	32	49	4	2.50	0	1
0							
## 138	49	25	128	2	0.40	1	0
0							
## 142	35	11	58	3	2.00	1	0
0							
## 145	49	23	70	2	1.50	0	1
0							
## 146	59	35	124	1	7.40	1	0
0							
## 147	46	19	84	1	2.67	0	1
0							
## 150	48	22	42	3	2.20	0	1
0							
## 152	26	0	132	3	6.50	0	0
1							
## 154	60	36	22	2	1.00	1	0
0							
## 155	54	29	58	4	1.30	0	0
1							
## 156	24	0	60	4	1.60	1	0
0							
## 157	26	0	15	4	0.40	1	0
0							
## 158	41	17	83	4	2.67	1	0
0							
## 159	32	6	79	2	1.50	0	0
1							
## 161	29	0	134	4	6.50	0	0
1							
## 164	28	4	70	4	2.60	1	0
0							
## 165	53	27	92	2	1.10	1	0
0							
## 166	27	1	43	1	1.50	1	0
0							
## 167	25	1	21	3	1.00	0	1
0							
## 171	27	1	138	2	2.00	1	0
0							
## 172	52	28	11	3	0.40	1	0
0							
## 174	58	34	42	4	1.50	1	0
0							
## 175	42	17	168	2	7.90	0	1
0							
## 176	45	20	85	4	1.10	0	1
0							

## 177	52	25	44	3	1.00	0	1
0							
## 178	29	3	65	4	1.80	0	1
0							
## 180	62	37	11	1	0.10	1	0
0							
## 181	51	27	38	2	1.00	0	0
1							
## 183	24	0	135	1	1.50	1	0
0							
## 184	29	3	148	3	4.10	1	0
0							
## 187	48	23	45	1	0.30	1	0
0							
## 188	46	21	159	3	1.90	0	0
1							
## 189	64	40	169	2	2.10	1	0
0							
## 191	60	36	93	1	4.30	1	0
0							
## 193	50	23	85	1	2.67	0	1
0							
## 195	53	29	144	2	6.80	1	0
0							
## 198	55	31	9	4	0.70	1	0
0							
## 200	36	11	158	1	5.10	0	0
1							
## 201	32	6	29	1	1.90	0	0
1							
## 204	58	34	65	4	2.20	1	0
0							
## 205	56	31	61	2	1.90	0	1
0							
## 209	40	16	73	4	2.67	1	0
0							
## 211	51	26	20	2	0.00	1	0
0							
## 212	44	18	55	1	0.20	1	0
0							
## 218	39	14	74	3	3.00	1	0
0							
## 222	45	19	83	2	1.70	0	1
0							
## 223	26	2	104	3	2.50	1	0
0							
## 227	24	-1	39	2	1.70	0	1
0							
## 228	47	23	148	2	7.50	1	0
0							

0	## 230	48	24	71	2	1.70	1	0
1	## 232	35	10	61	4	2.10	0	0
1	## 236	38	8	71	4	1.80	0	0
0	## 239	57	32	28	3	0.20	1	0
1	## 242	48	22	71	1	1.40	0	0
1	## 243	41	16	75	1	3.70	0	0
0	## 246	35	11	25	2	1.00	0	1
0	## 254	47	21	138	1	0.00	1	0
1	## 255	65	41	134	3	3.90	0	0
1	## 256	66	40	42	2	0.70	0	0
1	## 257	26	0	99	4	2.30	0	0
0	## 258	66	41	18	3	0.50	1	0
0	## 260	56	30	55	1	1.40	1	0
1	## 262	42	16	111	2	1.20	0	0
0	## 265	45	19	38	2	0.70	1	0
0	## 267	63	38	61	2	1.50	1	0
0	## 272	40	14	70	4	1.40	0	1
0	## 275	30	5	74	4	2.20	1	0
1	## 276	49	24	50	4	1.80	0	0
1	## 277	30	5	22	4	0.50	0	0
1	## 278	29	2	30	4	1.00	0	0
0	## 279	50	26	21	4	1.00	1	0
1	## 282	57	31	65	4	2.60	0	0
1	## 285	44	19	69	3	0.50	0	0
0	## 286	40	13	69	3	2.33	0	1

0	## 292	43	16	8	3	0.67	0	1
0	## 293	30	5	38	4	0.80	1	0
0	## 295	35	9	55	1	2.00	1	0
0	## 297	34	9	122	1	0.00	1	0
1	## 298	55	25	70	3	1.40	0	0
0	## 299	43	19	81	2	3.20	1	0
1	## 300	41	15	159	1	5.50	0	0
0	## 302	65	39	150	2	6.90	1	0
0	## 303	45	21	152	2	7.50	1	0
0	## 304	49	25	195	4	3.00	1	0
0	## 307	55	29	79	3	0.80	1	0
1	## 308	42	18	33	1	1.40	0	0
0	## 311	57	32	39	4	0.90	1	0
0	## 312	52	26	121	1	7.30	1	0
1	## 315	63	37	45	2	0.70	0	0
0	## 317	57	31	165	1	1.60	0	1
0	## 318	40	16	119	2	4.20	0	1
1	## 319	27	2	110	4	1.80	0	0
0	## 321	60	34	64	1	0.80	0	1
0	## 328	58	32	114	2	2.00	1	0
0	## 329	60	35	49	3	0.50	0	1
0	## 331	54	30	78	4	1.00	0	1
0	## 336	56	32	122	2	0.30	1	0
0	## 339	29	3	153	2	2.00	1	0
0	## 342	31	6	55	4	2.00	0	1

## 343	43	19	118	2	3.30	1	0
0							
## 344	35	5	22	1	0.67	0	0
1							
## 345	54	24	63	3	1.40	0	0
1							
## 348	25	0	43	2	1.60	0	0
1							
## 350	26	2	60	2	3.00	1	0
0							
## 351	39	14	113	1	1.00	0	0
1							
## 353	52	28	91	4	1.00	0	1
0							
## 356	43	19	71	3	0.30	0	0
1							
## 357	56	30	24	2	0.40	0	0
1							
## 358	38	14	42	1	2.00	0	1
0							
## 359	30	6	141	2	4.33	1	0
0							
## 360	32	6	32	1	1.90	0	0
1							
## 365	54	24	29	3	1.00	0	0
1							
## 366	57	32	174	1	6.80	0	1
0							
## 367	50	24	35	1	0.30	0	0
1							
## 368	32	8	98	2	2.00	0	1
0							
## 370	31	6	58	2	2.50	1	0
0							
## 371	36	12	25	4	1.00	1	0
0							
## 372	58	34	19	4	0.70	1	0
0							
## 374	49	25	20	4	1.00	1	0
0							
## 380	25	0	28	2	1.70	0	1
0							
## 382	55	29	73	2	2.30	0	0
1							
## 385	51	25	21	4	0.60	0	0
1							
## 387	30	5	41	4	1.70	0	1
0							
## 390	45	20	155	1	7.00	1	0
0							

## 395	33	9	80	4	3.40	1	0
0							
## 399	54	30	23	2	0.40	1	0
0							
## 400	28	3	84	4	0.20	1	0
0							
## 402	29	2	30	4	1.50	0	1
0							
## 403	54	28	93	1	4.90	1	0
0							
## 405	61	36	60	3	0.50	0	1
0							
## 408	64	40	58	1	1.80	0	0
1							
## 409	60	36	89	2	2.80	1	0
0							
## 412	60	36	54	4	2.30	0	0
1							
## 414	32	7	42	3	2.30	1	0
0							
## 415	52	28	41	3	1.90	0	1
0							
## 417	40	15	85	2	0.40	1	0
0							
## 419	27	0	33	4	1.00	0	0
1							
## 420	58	33	50	4	2.10	1	0
0							
## 422	28	3	115	4	3.10	0	1
0							
## 425	56	30	38	1	0.20	1	0
0							
## 428	32	7	35	3	1.30	1	0
0							
## 429	62	38	24	2	1.00	1	0
0							
## 430	37	13	78	4	0.10	0	1
0							
## 432	39	13	75	3	2.10	1	0
0							
## 433	43	17	91	1	5.70	1	0
0							
## 437	61	35	50	3	1.40	0	0
1							
## 438	36	9	31	4	1.00	0	1
0							
## 439	58	32	113	2	3.80	0	1
0							
## 440	47	23	29	4	0.60	1	0
0							

## 443	58	28	122	1	3.00	0	0
1							
## 444	48	24	29	1	1.00	1	0
0							
## 445	64	40	91	2	0.00	0	0
1							
## 446	58	32	65	3	2.20	0	0
1							
## 447	47	23	22	1	1.00	1	0
0							
## 449	31	4	60	4	2.00	0	1
0							
## 458	29	3	69	3	0.30	0	0
1							
## 461	60	36	141	2	2.10	1	0
0							
## 466	66	42	35	1	1.90	0	1
0							
## 469	34	10	21	1	0.50	0	0
1							
## 471	32	6	84	4	1.80	0	1
0							
## 472	50	24	30	4	0.10	1	0
0							
## 473	43	19	31	4	0.30	1	0
0							
## 475	60	34	114	2	6.90	1	0
0							
## 480	60	36	132	2	6.00	1	0
0							
## 481	54	29	68	3	1.60	0	0
1							
## 483	56	32	173	1	4.60	0	1
0							
## 486	60	34	15	1	0.80	0	1
0							
## 488	39	13	88	4	1.40	0	1
0							
## 489	37	13	43	3	2.80	1	0
0							
## 491	34	10	90	2	2.70	1	0
0							
## 494	50	24	173	1	1.00	1	0
0							
## 495	41	17	160	2	8.00	1	0
0							
## 496	25	0	44	4	0.60	0	1
0							
## 497	50	24	83	2	0.40	0	0
1							

## 499	32	8	43	1	2.10	0	0
1							
## 502	50	26	39	3	1.90	0	1
0							
## 506	36	12	69	3	3.10	0	1
0							
## 507	51	25	44	3	0.90	0	0
1							
## 508	64	40	32	3	0.10	0	0
1							
## 509	47	22	15	2	0.70	0	0
1							
## 511	51	26	62	1	1.30	0	1
0							
## 518	54	27	43	3	1.00	0	1
0							
## 521	61	37	54	4	1.20	0	1
0							
## 523	36	11	72	1	2.80	1	0
0							
## 527	26	2	205	1	6.33	1	0
0							
## 528	33	8	65	2	0.10	1	0
0							
## 530	39	15	82	1	0.80	0	1
0							
## 531	54	30	21	2	0.20	1	0
0							
## 535	53	28	41	2	0.60	0	0
1							
## 537	25	-1	43	3	2.40	0	1
0							
## 540	57	32	21	1	0.30	0	0
1							
## 541	25	-1	109	4	2.30	0	0
1							
## 542	30	6	141	2	4.33	1	0
0							
## 544	63	38	54	3	2.40	1	0
0							
## 545	35	10	164	2	7.80	1	0
0							
## 546	43	19	28	4	0.30	1	0
0							
## 548	44	14	44	3	2.00	0	0
1							
## 549	49	23	61	1	1.40	0	0
1							
## 550	61	36	35	3	1.30	0	1
0							

## 551	60	34	54	3	0.30	0	1
0							
## 554	52	28	101	2	0.30	1	0
0							
## 559	30	5	38	4	2.00	0	1
0							
## 562	63	33	41	4	1.67	0	0
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## 563	28	3	85	1	0.80	0	1
0							
## 565	33	7	32	1	0.60	0	0
1							
## 567	53	28	175	3	3.60	0	0
1							
## 568	34	8	28	3	0.90	1	0
0							
## 572	35	9	53	4	2.20	0	1
0							
## 575	29	5	80	2	2.00	0	1
0							
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1							
## 578	52	28	149	2	6.80	1	0
0							
## 579	46	19	49	3	2.50	0	1
0							
## 581	52	22	22	4	0.40	0	0
1							
## 587	39	14	101	2	0.40	1	0
0							
## 588	50	24	94	1	4.90	1	0
0							
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## 595	50	26	85	1	0.00	1	0
0							
## 600	28	4	103	2	2.50	1	0
0							
## 603	29	5	135	2	0.60	1	0
0							
## 606	57	31	41	1	0.20	1	0
0							
## 608	28	3	170	1	0.10	0	0
1							
## 609	27	2	55	4	1.70	0	1
0							
## 612	49	23	32	4	1.80	1	0
0							
## 613	65	40	129	1	1.30	1	0
0							

## 618	46	20	74	4	2.60	0	0
1							
## 620	57	27	73	1	3.00	0	0
1							
## 622	41	17	114	2	1.80	0	1
0							
## 623	41	17	92	2	1.90	1	0
0							
## 629	49	24	51	1	1.30	0	1
0							
## 630	45	19	71	4	2.90	1	0
0							
## 631	32	7	35	3	1.30	1	0
0							
## 632	45	18	40	3	1.00	0	1
0							
## 634	61	31	18	1	1.50	0	0
1							
## 636	60	35	35	3	0.20	1	0
0							
## 638	53	28	31	4	0.10	0	0
1							
## 639	42	16	35	3	1.50	1	0
0							
## 641	43	18	85	1	3.70	0	0
1							
## 643	50	24	103	1	0.30	1	0
0							
## 645	52	27	33	2	2.00	0	1
0							
## 651	47	22	122	1	5.10	0	0
1							
## 653	34	9	92	1	2.80	1	0
0							
## 654	49	23	78	2	2.40	0	1
0							
## 655	54	29	129	4	4.20	0	0
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0							
## 666	54	24	61	4	2.00	0	0
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## 673	51	27	23	1	0.20	1	0
0							
## 674	34	10	22	1	0.50	0	0
1							
## 675	49	23	59	3	2.10	1	0
0							

## 678	46	21	204	2	2.80	1	0
0							
## 680	55	31	103	3	1.80	0	1
0							
## 681	61	36	51	3	1.50	1	0
0							
## 683	58	34	12	1	0.10	0	1
0							
## 685	43	17	164	1	2.40	1	0
0							
## 687	24	-1	38	4	0.60	0	1
0							
## 688	48	22	65	2	1.50	0	1
0							
## 690	54	30	18	1	0.30	1	0
0							
## 691	59	34	52	2	1.60	0	0
1							
## 694	40	15	40	2	2.20	0	0
1							
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0							
## 696	29	4	115	1	1.90	1	0
0							
## 701	37	11	84	2	1.80	1	0
0							
## 705	56	32	129	1	7.40	1	0
0							
## 707	58	34	148	1	4.70	1	0
0							
## 709	35	10	21	3	1.30	1	0
0							
## 710	29	4	72	4	2.20	1	0
0							
## 712	62	37	83	3	1.80	0	1
0							
## 714	34	9	84	3	0.60	0	1
0							
## 720	61	35	110	3	4.40	1	0
0							
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## 723	45	21	132	3	1.20	0	1
0							
## 725	64	38	92	1	2.00	1	0
0							
## 727	58	33	53	4	2.10	1	0
0							
## 734	49	24	80	1	1.20	1	0
0							

## 735	66	42	53	2	1.10	1	0
0							
## 736	33	7	49	4	2.20	0	1
0							
## 737	61	35	152	3	3.30	0	0
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## 739	36	10	80	4	2.20	0	1
0							
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0							
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0							
## 747	62	37	85	4	3.40	0	1
0							
## 748	57	32	21	3	0.10	0	1
0							
## 750	58	34	60	4	1.60	0	1
0							
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0							
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0							
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1							
## 758	52	28	81	3	1.80	0	1
0							
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0							
## 762	48	24	84	3	0.70	1	0
0							
## 763	32	6	85	1	2.70	0	1
0							
## 765	37	13	89	2	1.70	0	1
0							
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0							
## 768	64	39	38	1	1.10	0	0
1							
## 769	43	19	72	2	1.70	1	0
0							
## 774	41	16	120	2	3.90	1	0
0							
## 775	55	29	39	1	0.20	1	0
0							
## 780	53	28	192	2	6.40	0	0
1							

## 781	32	7	42	4	0.80	1	0
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## 782	56	32	158	3	3.70	0	0
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## 783	54	30	194	3	6.00	0	0
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## 784	44	20	160	2	7.60	1	0
0							
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1							
## 789	58	34	10	4	0.70	1	0
0							
## 790	29	3	31	4	0.30	0	1
0							
## 791	55	30	58	4	0.90	1	0
0							
## 801	31	7	173	1	6.00	1	0
0							
## 802	47	23	8	4	0.20	1	0
0							
## 804	52	27	62	4	1.80	0	0
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## 806	55	29	132	3	5.90	0	1
0							
## 807	53	27	44	4	1.50	0	0
1							
## 809	64	39	64	3	2.20	1	0
0							
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## 811	32	6	41	2	2.00	0	0
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## 813	36	10	65	4	2.20	0	1
0							
## 816	62	38	35	1	1.90	0	1
0							
## 819	51	27	42	4	1.10	0	1
0							
## 820	56	30	45	4	1.50	0	0
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0							
## 825	39	15	72	4	2.40	1	0
0							
## 831	29	5	72	3	0.70	0	1
0							
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1							
## 833	36	10	31	4	1.20	0	1
0							

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1							
## 836	58	33	142	2	3.90	1	0
0							
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1							
## 840	39	15	79	4	2.40	1	0
0							
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0							
## 844	64	39	73	3	2.40	1	0
0							
## 845	47	23	71	1	0.80	0	0
1							
## 847	51	27	93	1	2.70	1	0
0							
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0							
## 850	33	8	58	2	0.10	1	0
0							
## 852	41	16	23	2	1.40	0	1
0							
## 861	57	31	30	2	0.70	0	1
0							
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0							
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1							
## 868	61	35	61	1	1.60	1	0
0							
## 872	54	28	48	4	2.80	0	1
0							
## 876	61	36	21	4	0.40	0	1
0							
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0							
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## 890	24	-2	82	2	1.60	0	0
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0							

## 893	38	12	53	2	2.40	0	1
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0							
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## 897	50	24	161	3	3.40	1	0
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## 901	30	4	51	4	0.20	1	0
0							
## 903	57	33	95	2	1.60	1	0
0							
## 904	43	18	59	1	2.40	1	0
0							
## 905	28	2	51	4	1.80	0	1
0							
## 910	23	-1	149	1	6.33	1	0
0							
## 913	35	10	78	1	2.60	0	1
0							
## 914	57	32	34	2	2.00	0	1
0							
## 915	65	41	195	3	0.40	1	0
0							
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0							
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0							
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0							
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0							
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0							
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1							
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0							
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0							
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0							
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0							

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0							
## 943	55	29	30	4	0.70	0	1
0							
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0							
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0							
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0							
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0							
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0							
## 960	49	24	68	1	0.20	0	1
0							
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0							
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## 973	40	16	50	2	1.70	1	0
0							
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0							

## 1077	40	13	24	3	1.00	0	1
0							
## 1081	47	22	24	4	0.40	0	1
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## 1117	43	18	122	1	7.00	1	0
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## 1137	47	21	65	1	1.50	0	1
0							

## 1140	55	28	38	3	1.00	0	1
0							
## 1141	32	6	13	4	0.30	1	0
0							
## 1145	49	24	91	1	2.80	0	1
0							
## 1146	32	6	99	2	1.50	0	0
1							
## 1147	31	7	71	1	0.10	1	0
0							
## 1151	55	31	81	3	2.67	1	0
0							
## 1152	49	23	12	2	0.10	0	0
1							
## 1155	59	35	42	1	1.80	0	0
1							
## 1156	41	16	81	2	0.40	1	0
0							
## 1159	41	16	99	1	1.00	0	0
1							
## 1162	36	11	181	3	1.40	1	0
0							
## 1165	41	17	94	3	3.80	0	1
0							
## 1168	37	12	190	2	3.00	1	0
0							
## 1170	40	16	32	1	1.40	0	0
1							
## 1171	35	10	104	3	0.60	0	1
0							
## 1173	49	24	45	3	1.70	0	1
0							
## 1175	36	10	42	4	1.20	0	1
0							
## 1178	28	3	71	1	3.30	0	1
0							
## 1179	33	7	14	1	0.40	0	1
0							
## 1180	36	11	98	3	1.20	0	0
1							
## 1181	42	17	90	1	0.10	0	1
0							
## 1182	25	0	65	4	0.20	1	0
0							
## 1183	28	2	19	4	0.40	1	0
0							
## 1184	50	25	35	3	1.70	0	1
0							
## 1187	62	38	43	4	1.20	0	1
0							

## 1188	61	36	24	1	1.50	0	1
0							
## 1189	45	19	58	2	0.40	0	0
1							
## 1192	29	5	128	1	1.50	1	0
0							
## 1194	58	32	81	3	1.70	0	1
0							
## 1196	32	7	123	2	2.90	0	1
0							
## 1197	37	13	71	2	2.70	1	0
0							
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0							
## 1202	35	8	38	4	1.00	0	1
0							
## 1204	62	37	50	3	2.40	1	0
0							
## 1206	32	7	94	2	3.10	1	0
0							
## 1207	63	37	165	4	5.10	0	0
1							
## 1208	38	12	43	4	1.20	0	1
0							
## 1212	61	36	131	1	0.90	1	0
0							
## 1215	61	36	15	4	0.40	0	1
0							
## 1217	50	25	84	1	1.30	0	0
1							
## 1219	62	36	98	2	2.80	1	0
0							
## 1224	45	19	11	1	0.20	1	0
0							
## 1226	30	6	118	2	2.80	0	1
0							
## 1227	60	36	14	2	0.30	1	0
0							
## 1230	56	32	80	3	2.67	1	0
0							
## 1231	27	1	25	4	0.30	0	1
0							
## 1234	53	29	22	2	0.40	1	0
0							
## 1235	44	18	33	3	1.50	1	0
0							
## 1237	31	6	81	4	2.20	0	1
0							
## 1239	28	2	63	2	1.60	0	0
1							

## 1240	51	26	12	2	0.70	0	0
1							
## 1241	52	27	15	4	0.80	1	0
0							
## 1246	46	21	41	1	1.40	0	0
1							
## 1248	52	28	39	2	0.80	1	0
0							
## 1250	51	27	80	1	2.60	0	1
0							
## 1251	47	20	81	1	2.67	0	1
0							
## 1255	36	12	40	2	0.60	0	0
1							
## 1256	27	1	80	2	1.60	0	0
1							
## 1257	31	7	20	1	0.40	0	0
1							
## 1260	52	27	35	4	0.20	0	1
0							
## 1262	63	39	84	1	1.80	0	0
1							
## 1263	26	1	53	2	1.60	0	0
1							
## 1268	50	23	23	2	1.00	0	1
0							
## 1269	34	9	62	3	2.30	1	0
0							
## 1270	36	11	14	4	0.20	0	0
1							
## 1272	28	4	94	3	0.80	1	0
0							
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0							
## 1276	27	2	92	2	3.10	1	0
0							
## 1277	42	16	20	2	0.80	0	0
1							
## 1280	48	22	84	2	0.40	0	0
1							
## 1282	39	15	52	3	2.33	1	0
0							
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0							
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0							
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0							
## 1286	38	13	113	4	1.70	0	1
0							

## 1287	29	3	50	3	1.10	0	1
0							
## 1289	63	38	129	1	0.90	1	0
0							
## 1292	58	34	44	4	2.20	1	0
0							
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0							
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0							
## 1296	42	17	28	1	0.50	0	0
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## 1303	42	16	38	3	0.90	0	0
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0							
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0							
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1							
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1							
## 1319	52	26	178	1	1.00	1	0
0							
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0							
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0							
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0							
## 1325	52	28	15	1	0.20	1	0
0							
## 1327	32	5	63	4	2.00	0	1
0							
## 1329	60	36	145	4	6.90	1	0
0							
## 1331	34	9	64	2	0.10	1	0
0							
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0							
## 1334	62	38	99	4	1.70	0	1
0							
## 1335	47	22	35	2	1.30	1	0
0							
## 1336	50	24	180	1	1.70	1	0
0							

## 1338	26	0	179	4	2.10	0	1
0							
## 1339	51	27	42	4	0.10	0	0
1							
## 1341	35	11	82	4	3.40	1	0
0							
## 1343	36	12	79	2	2.20	1	0
0							
## 1344	41	17	48	2	0.60	0	0
1							
## 1345	49	25	93	1	2.70	1	0
0							
## 1346	57	32	23	2	0.20	0	0
1							
## 1347	44	20	50	3	2.33	1	0
0							
## 1348	60	34	85	2	2.00	1	0
0							
## 1350	26	2	171	3	6.00	0	1
0							
## 1351	29	2	29	4	1.50	0	1
0							
## 1352	59	35	84	1	1.80	0	0
1							
## 1353	51	27	20	4	0.50	0	1
0							
## 1356	61	37	48	1	0.80	1	0
0							
## 1357	42	16	74	1	2.80	1	0
0							
## 1358	55	29	53	1	1.40	1	0
0							
## 1361	54	28	85	4	4.90	1	0
0							
## 1363	31	5	85	3	1.60	1	0
0							
## 1364	32	8	79	1	0.10	1	0
0							
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0							
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0							
## 1369	46	21	40	4	1.90	0	0
1							
## 1371	30	5	20	4	0.50	0	0
1							
## 1375	59	34	84	3	1.60	0	0
1							
## 1379	54	29	34	4	0.10	0	0
1							

## 1380	62	37	162	1	1.30	1	0
0							
## 1382	38	12	22	3	0.20	0	1
0							
## 1385	55	31	62	1	1.80	0	0
1							
## 1387	27	3	72	4	0.00	1	0
0							
## 1388	35	10	38	4	1.70	1	0
0							
## 1390	45	15	20	1	0.75	0	0
1							
## 1392	44	18	84	3	1.10	1	0
0							
## 1393	47	23	33	1	1.00	1	0
0							
## 1394	62	37	55	3	0.90	0	0
1							
## 1397	42	18	43	1	0.30	0	0
1							
## 1398	65	41	45	3	0.10	0	0
1							
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0							
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## 1403	55	29	172	1	5.20	0	1
0							
## 1404	32	6	51	4	0.20	1	0
0							
## 1407	53	23	20	4	0.40	0	0
1							
## 1408	63	39	101	2	3.90	0	0
1							
## 1409	40	14	129	1	5.90	0	0
1							
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0							
## 1412	65	39	184	1	5.40	0	0
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0							
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1							
## 1416	33	8	48	1	1.00	1	0
0							
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0							
## 1419	65	41	154	2	4.60	0	1
0							

## 1420	30	4	39	1	1.50	1	0
0							
## 1422	42	17	54	4	1.90	0	0
1							
## 1426	64	38	40	1	2.50	0	0
1							
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1							
## 1433	26	2	195	1	6.33	1	0
0							
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1							
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0							
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0							
## 1447	29	4	22	2	0.90	0	0
1							
## 1449	41	16	49	3	0.50	0	0
1							
## 1450	63	37	109	1	2.00	1	0
0							
## 1454	29	5	85	3	2.50	1	0
0							
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0							
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0							
## 1458	42	16	25	2	0.80	0	0
1							
## 1460	47	20	38	3	2.50	0	1
0							
## 1461	40	16	85	4	0.20	0	0
1							
## 1462	54	28	48	1	0.20	1	0
0							
## 1465	28	4	120	2	0.60	1	0
0							
## 1469	45	18	78	3	2.67	0	1
0							
## 1470	59	35	59	4	1.20	0	1
0							
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0							
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1							
## 1476	44	19	78	2	3.80	0	0
1							
## 1477	61	37	64	1	0.00	0	1
0							

## 1478	40	14	64	4	0.20	0	0
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## 1479	65	39	160	4	3.80	1	0
0							
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1							
## 1481	67	42	32	1	1.10	0	0
1							
## 1484	58	32	63	1	1.60	1	0
0							
## 1486	34	9	99	4	2.20	0	1
0							
## 1490	62	38	99	4	1.70	0	1
0							
## 1494	58	34	84	2	2.80	1	0
0							
## 1496	52	28	178	3	5.40	0	0
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## 1497	36	12	18	1	0.50	0	0
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## 1499	49	23	125	1	7.30	1	0
0							
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0							
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## 1502	30	4	35	2	0.30	0	1
0							
## 1504	34	8	52	4	2.20	0	1
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## 1505	30	6	191	2	4.40	0	1
0							
## 1506	51	25	18	1	0.30	0	0
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## 1507	52	27	25	2	0.00	1	0
0							
## 1508	43	18	50	4	1.90	0	0
1							
## 1510	56	26	92	2	4.50	0	0
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## 1515	44	20	175	2	1.40	1	0
0							
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## 1519	43	17	64	4	3.00	0	0
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## 1520	63	38	22	3	0.10	0	0
1							
## 1527	36	10	80	4	2.20	0	1
0							

## 1531	47	21	20	1	0.20	1	0
0							
## 1534	62	37	155	1	1.30	1	0
0							
## 1535	59	34	30	1	1.30	1	0
0							
## 1537	36	12	73	4	2.00	0	0
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## 1538	58	34	41	4	1.30	1	0
0							
## 1539	55	30	34	4	0.10	0	0
1							
## 1540	29	5	21	3	0.90	0	0
1							
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0							
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0							
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0							
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0							
## 1548	47	21	52	1	1.20	0	1
0							
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0							
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0							
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## 1573	64	40	63	4	1.20	0	1
0							
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1							
## 1576	50	26	88	1	2.70	1	0
0							

## 1582	53	29	24	2	0.20	1	0
0							
## 1585	46	20	25	4	0.60	0	0
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## 1586	57	31	131	2	2.70	1	0
0							
## 1588	52	28	21	2	0.40	1	0
0							
## 1589	29	3	55	3	1.10	0	1
0							
## 1595	37	12	93	1	2.80	1	0
0							
## 1599	40	15	85	2	0.40	1	0
0							
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0							
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## 1616	62	36	63	1	2.50	0	0
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## 1626	56	30	21	2	0.70	0	1
0							

## 1627	31	6	180	2	6.70	1	0
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## 1629	42	18	90	4	0.80	1	0
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## 1634	62	38	53	1	0.00	0	1
0							
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## 1643	27	3	84	3	1.50	1	0
0							
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## 1646	56	32	89	4	1.00	0	1
0							
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## 1649	47	21	85	2	1.70	0	1
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0							
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## 1662	38	14	64	1	1.50	0	0
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## 1664	57	32	42	3	0.50	0	1
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## 1666	37	12	100	3	1.20	0	0
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## 1667	51	25	190	2	4.20	0	1
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## 1673	48	23	173	3	0.20	1	0
0							

## 1675	37	11	139	2	0.80	0	1
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## 1676	60	35	119	2	3.90	1	0
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## 1679	56	30	73	2	1.10	1	0
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## 1707	56	31	84	1	0.10	0	0
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## 1708	61	37	31	3	0.40	0	1
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## 1709	46	20	12	4	0.60	0	0
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## 1710	58	34	88	2	1.60	1	0
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## 1722	54	29	59	2	2.30	0	0
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## 1725	46	19	24	3	0.67	0	1
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## 1727	59	33	71	2	2.30	0	0
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## 1728	52	26	54	2	1.50	0	1
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## 1738	44	19	70	1	0.20	0	1
0							
## 1739	61	36	38	3	0.90	0	0
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0							
## 1743	64	38	42	2	0.70	0	0
1							
## 1744	50	24	32	4	1.80	1	0
0							
## 1751	60	34	61	4	1.70	0	1
0							
## 1753	33	8	155	1	7.40	0	0
1							
## 1754	53	29	25	2	0.40	1	0
0							
## 1755	50	24	80	4	4.90	1	0
0							
## 1756	28	3	55	4	1.70	0	1
0							
## 1757	42	17	23	2	0.00	0	0
1							
## 1758	33	9	60	1	1.20	1	0
0							
## 1763	65	35	55	4	1.67	0	0
1							
## 1764	48	24	134	1	5.00	1	0
0							

## 1767	64	38	22	2	0.20	0	0
1							
## 1769	43	18	128	4	5.30	1	0
0							
## 1770	60	36	62	4	2.20	1	0
0							
## 1771	62	37	9	1	0.10	1	0
0							
## 1772	46	21	9	2	0.70	0	0
1							
## 1777	50	26	42	4	1.10	0	1
0							
## 1784	53	27	192	1	1.70	1	0
0							
## 1788	32	6	44	4	0.20	1	0
0							
## 1794	35	9	113	3	0.80	0	0
1							
## 1804	58	32	59	1	1.60	1	0
0							
## 1805	40	16	64	4	2.67	1	0
0							
## 1807	61	36	10	1	0.10	1	0
0							
## 1808	46	20	61	2	0.40	0	0
1							
## 1809	55	31	50	4	1.50	1	0
0							
## 1810	35	10	79	4	2.10	0	0
1							
## 1811	60	34	35	1	0.20	1	0
0							
## 1815	48	22	79	3	0.70	0	1
0							
## 1816	65	39	18	2	0.40	1	0
0							
## 1819	45	20	62	2	2.20	0	0
1							
## 1823	48	23	112	1	5.10	0	1
0							
## 1825	49	23	194	4	8.30	0	1
0							
## 1826	56	32	161	1	5.80	0	0
1							
## 1829	30	4	25	2	0.30	0	1
0							
## 1834	34	9	178	1	0.80	0	0
1							
## 1837	44	19	74	4	1.90	0	0
1							

## 1840	28	2	43	4	1.30	0	0
1							
## 1842	42	17	91	1	0.10	0	1
0							
## 1848	25	0	52	3	2.60	0	0
1							
## 1849	35	10	30	3	1.30	1	0
0							
## 1851	36	10	20	4	0.30	1	0
0							
## 1854	51	25	60	4	2.60	1	0
0							
## 1856	65	39	30	3	0.70	0	1
0							
## 1859	35	11	65	3	2.80	1	0
0							
## 1868	65	39	21	2	0.40	1	0
0							
## 1870	55	30	44	2	2.00	0	1
0							
## 1872	31	5	99	4	1.80	0	1
0							
## 1873	43	17	98	3	1.10	1	0
0							
## 1877	62	38	123	1	2.90	1	0
0							
## 1878	51	24	78	1	2.67	0	1
0							
## 1880	56	30	78	3	1.70	0	1
0							
## 1881	44	19	49	4	1.90	0	0
1							
## 1883	56	32	125	3	0.60	1	0
0							
## 1884	56	30	185	1	2.90	1	0
0							
## 1885	57	33	163	1	7.40	1	0
0							
## 1886	31	6	19	4	1.10	0	0
1							
## 1887	65	41	115	4	1.70	0	1
0							
## 1888	31	7	81	2	2.00	0	1
0							
## 1889	36	10	93	1	2.80	0	0
1							
## 1891	52	27	184	1	8.10	1	0
0							
## 1892	42	18	50	4	2.20	0	1
0							

## 1893	55	30	55	3	1.70	1	0
0							
## 1894	49	24	13	1	0.40	0	0
1							
## 1896	26	2	72	4	2.60	1	0
0							
## 1900	59	33	34	1	0.20	1	0
0							
## 1901	61	36	10	4	0.40	0	1
0							
## 1902	43	19	201	2	6.67	1	0
0							
## 1904	56	26	50	3	1.40	0	0
1							
## 1905	38	14	91	2	0.00	1	0
0							
## 1906	25	-1	112	2	2.00	1	0
0							
## 1908	42	18	115	1	0.30	1	0
0							
## 1909	50	26	22	4	0.50	0	1
0							
## 1910	56	30	101	3	1.70	0	1
0							
## 1911	43	18	83	2	3.80	0	0
1							
## 1913	42	16	191	3	4.80	0	1
0							
## 1914	57	33	134	4	0.90	1	0
0							
## 1915	48	24	54	1	1.60	0	1
0							
## 1916	37	11	69	3	2.10	1	0
0							
## 1917	57	32	64	3	1.60	0	0
1							
## 1918	62	32	53	4	1.67	0	0
1							
## 1921	54	28	31	2	0.40	0	0
1							
## 1923	39	15	25	1	1.40	0	0
1							
## 1924	45	19	22	1	0.20	1	0
0							
## 1925	62	38	78	1	1.80	0	0
1							
## 1927	30	6	41	1	2.40	0	1
0							
## 1931	56	29	51	3	1.00	0	1
0							

## 1932	28	2	140	2	2.00	1	0
0							
## 1933	64	39	73	3	2.40	1	0
0							
## 1934	63	39	40	4	1.20	0	1
0							
## 1938	51	25	181	1	3.30	0	0
1							
## 1940	55	31	23	2	0.20	1	0
0							
## 1941	57	33	55	1	1.80	0	0
1							
## 1943	61	36	29	2	0.50	0	1
0							
## 1944	49	23	39	4	2.60	1	0
0							
## 1945	52	28	39	3	1.90	0	1
0							
## 1946	57	33	30	3	1.50	1	0
0							
## 1952	45	21	84	4	2.00	0	0
1							
## 1959	28	2	42	1	1.50	1	0
0							
## 1960	50	24	130	1	1.00	1	0
0							
## 1963	28	4	155	1	6.33	1	0
0							
## 1969	54	24	49	1	1.40	0	0
1							
## 1970	64	38	115	1	2.00	1	0
0							
## 1971	27	3	148	1	1.50	1	0
0							
## 1972	42	17	72	4	1.10	0	1
0							
## 1973	28	2	114	4	2.10	0	0
1							
## 1975	39	13	63	4	0.20	0	0
1							
## 1977	39	13	80	2	1.80	1	0
0							
## 1978	41	15	54	3	0.50	0	0
1							
## 1979	37	11	32	2	1.40	0	0
1							
## 1980	41	17	11	1	1.00	1	0
0							
## 1985	26	1	55	4	1.70	0	1
0							

## 1987	42	17	114	2	0.40	1	0
0							
## 1988	56	31	52	3	2.00	0	1
0							
## 1990	59	35	55	1	1.80	0	0
1							
## 1991	32	8	29	1	0.20	0	0
1							
## 1992	46	22	30	3	0.50	1	0
0							
## 1999	56	32	103	3	4.00	0	0
1							
## 2000	48	22	80	2	2.40	0	1
0							
## 2005	30	4	44	1	1.90	0	0
1							
## 2006	47	23	170	2	6.50	0	1
0							
## 2007	64	39	75	4	0.10	0	1
0							
## 2010	25	0	99	1	1.90	1	0
0							
## 2014	40	15	52	3	0.80	0	0
1							
## 2015	49	19	169	3	5.67	0	0
1							
## 2023	33	3	71	4	1.80	0	0
1							
## 2024	55	29	55	1	0.20	1	0
0							
## 2026	47	20	79	3	2.00	0	1
0							
## 2027	59	33	80	2	0.70	0	1
0							
## 2029	42	17	9	2	0.00	0	0
1							
## 2034	49	23	83	1	0.30	1	0
0							
## 2035	59	33	91	4	1.90	0	1
0							
## 2036	36	10	29	4	1.00	1	0
0							
## 2040	51	25	32	2	0.40	0	0
1							
## 2047	43	16	161	3	8.00	0	1
0							
## 2048	63	38	134	3	4.00	0	1
0							
## 2049	28	4	43	1	1.80	0	1
0							

[illegible]

0	##	2092	31	4	41	1	2.00	0	1
1	##	2093	53	23	19	4	0.40	0	0
0	##	2101	31	6	145	1	0.80	1	0
1	##	2103	25	-1	81	2	1.60	0	0
0	##	2104	37	13	153	2	6.50	1	0
1	##	2105	40	14	58	4	0.20	0	0
1	##	2108	41	17	85	4	0.20	0	0
0	##	2113	27	2	103	1	1.90	1	0
0	##	2119	31	5	125	2	1.30	1	0
1	##	2120	39	13	50	3	0.50	0	0
1	##	2121	41	17	44	1	0.30	0	0
0	##	2122	41	17	38	4	2.20	0	1
0	##	2123	55	29	64	3	0.80	1	0
0	##	2127	44	19	83	4	0.40	1	0
0	##	2128	40	14	179	2	0.00	1	0
0	##	2132	55	31	15	1	0.20	1	0
0	##	2133	59	35	11	2	1.00	1	0
0	##	2134	39	15	41	1	2.00	0	1
0	##	2138	65	40	83	4	0.10	0	1
0	##	2139	36	11	40	2	1.10	0	1
1	##	2140	57	32	113	1	0.10	0	0
0	##	2143	55	31	62	4	1.50	1	0
0	##	2144	56	31	65	3	1.70	1	0
1	##	2147	27	3	30	1	1.00	0	0
1	##	2149	54	30	58	2	3.20	0	0

## 2150	48	22	150	1	7.30	1	0
0							
## 2154	40	14	123	1	5.20	1	0
0							
## 2157	35	11	93	2	2.70	1	0
0							
## 2160	61	35	99	1	4.80	0	0
1							
## 2162	52	28	38	4	0.90	0	1
0							
## 2165	27	3	104	2	2.50	1	0
0							
## 2171	39	13	52	3	0.50	0	0
1							
## 2172	35	11	42	1	1.50	0	0
1							
## 2173	39	15	79	2	1.80	0	1
0							
## 2174	34	10	34	1	1.70	1	0
0							
## 2175	30	5	123	2	3.10	1	0
0							
## 2176	37	12	160	2	3.30	1	0
0							
## 2180	49	23	68	1	1.50	0	1
0							
## 2183	40	14	22	2	1.40	0	0
1							
## 2184	34	8	29	2	2.00	0	0
1							
## 2187	26	2	92	2	0.20	1	0
0							
## 2190	48	23	128	1	0.60	1	0
0							
## 2191	27	3	110	2	0.20	1	0
0							
## 2192	42	18	171	2	8.00	1	0
0							
## 2193	25	1	13	4	1.00	1	0
0							
## 2195	34	9	123	1	1.60	0	1
0							
## 2196	51	27	33	4	0.20	1	0
0							
## 2197	51	24	189	4	4.75	0	1
0							
## 2199	59	35	58	1	0.00	0	1
0							
## 2201	50	25	29	2	1.30	1	0
0							

## 2203	49	24	43	4	1.90	0	0
1							
## 2204	50	25	130	1	0.60	1	0
0							
## 2205	63	37	20	2	0.40	1	0
0							
## 2207	33	7	48	4	2.20	0	1
0							
## 2208	38	12	180	1	2.80	0	0
1							
## 2210	36	10	33	3	0.90	1	0
0							
## 2216	28	3	193	3	4.00	0	1
0							
## 2218	48	24	162	4	3.30	0	1
0							
## 2219	38	13	9	2	0.30	0	1
0							
## 2220	52	22	58	4	2.00	0	0
1							
## 2227	25	1	98	1	5.40	1	0
0							
## 2229	48	23	43	4	1.90	0	0
1							
## 2230	46	22	72	4	1.40	0	1
0							
## 2231	36	11	183	1	3.00	0	0
1							
## 2232	46	20	134	1	5.70	1	0
0							
## 2234	59	35	39	1	1.80	0	0
1							
## 2237	51	24	23	1	0.50	0	1
0							
## 2241	41	17	81	4	0.20	0	0
1							
## 2242	26	0	14	4	0.40	1	0
0							
## 2243	41	17	45	1	1.80	1	0
0							
## 2244	54	28	79	3	1.70	0	1
0							
## 2245	57	31	53	1	0.80	0	1
0							
## 2246	54	28	33	2	0.70	0	1
0							
## 2249	63	37	8	1	0.80	0	1
0							
## 2250	41	14	38	3	1.00	0	1
0							

0	##	2251	46	22	154	1	5.00	1	0
0	##	2254	59	35	25	2	0.30	1	0
0	##	2256	33	9	79	1	0.10	1	0
0	##	2259	59	33	93	2	0.70	0	1
0	##	2262	30	3	150	4	5.00	0	1
0	##	2263	55	29	131	2	0.70	0	1
0	##	2264	47	21	28	3	1.50	1	0
1	##	2268	38	13	168	2	1.30	0	0
0	##	2269	27	3	105	1	3.00	0	1
0	##	2271	26	2	51	4	2.60	1	0
1	##	2274	27	1	83	4	2.10	0	0
1	##	2275	40	15	21	2	0.00	0	0
0	##	2276	40	16	115	1	3.40	1	0
0	##	2277	29	3	172	4	4.40	1	0
0	##	2278	30	6	32	2	1.00	0	1
0	##	2279	30	4	204	2	4.50	1	0
1	##	2286	48	22	114	1	2.40	0	0
0	##	2292	47	23	90	1	2.70	1	0
0	##	2293	57	33	170	2	2.10	0	1
0	##	2294	42	17	14	2	0.10	0	1
0	##	2295	39	15	129	2	1.90	1	0
0	##	2297	27	3	82	2	0.20	1	0
1	##	2302	38	13	84	4	0.70	0	0
0	##	2303	42	17	155	1	7.00	1	0
1	##	2304	47	21	89	2	0.80	0	0

0	##	2307	37	13	82	2	2.20	1	0
0	##	2309	39	13	58	2	2.40	0	1
0	##	2311	32	6	32	2	0.30	1	0
0	##	2313	48	22	83	2	2.40	0	1
0	##	2314	58	32	54	3	0.30	0	1
1	##	2315	27	2	112	4	1.80	0	0
0	##	2316	52	26	182	2	1.40	0	1
0	##	2317	54	30	112	2	6.80	1	0
1	##	2318	31	5	129	3	5.90	0	0
1	##	2322	41	15	39	3	0.50	0	0
1	##	2326	55	30	85	1	0.10	0	0
0	##	2327	45	19	73	4	2.90	1	0
0	##	2331	31	5	72	4	1.80	0	1
1	##	2332	61	37	68	4	2.30	0	0
1	##	2333	40	16	35	1	1.40	0	0
1	##	2337	34	8	99	2	4.50	0	0
0	##	2339	42	18	130	2	7.50	1	0
0	##	2340	56	31	72	3	2.00	0	1
0	##	2341	33	9	44	1	1.20	1	0
1	##	2342	36	10	91	1	1.50	0	0
0	##	2343	62	37	92	3	0.50	1	0
0	##	2344	58	34	55	1	0.80	1	0
0	##	2345	65	40	20	3	0.50	1	0
0	##	2349	51	25	85	4	4.90	1	0
1	##	2352	55	31	74	2	3.20	0	0

0	##	2353	46	19	59	3	2.67	0	1
0	##	2354	61	36	12	4	0.60	0	1
0	##	2355	35	9	8	1	0.40	0	1
0	##	2357	31	5	184	4	3.40	0	1
0	##	2360	36	12	123	2	5.60	0	1
1	##	2361	27	1	85	2	1.60	0	0
0	##	2369	48	22	78	3	2.10	1	0
0	##	2375	32	5	41	2	1.00	0	1
1	##	2376	55	30	69	4	1.30	0	0
1	##	2381	40	16	50	2	0.60	0	0
0	##	2383	46	20	185	4	7.50	0	1
0	##	2385	62	37	53	2	2.80	1	0
0	##	2387	31	5	72	3	1.60	1	0
1	##	2388	28	2	51	4	1.80	0	0
1	##	2390	27	1	41	1	1.90	0	0
0	##	2393	44	20	138	2	3.30	1	0
0	##	2396	44	17	25	3	1.00	0	1
0	##	2398	47	22	93	1	0.20	0	1
0	##	2404	38	13	140	4	0.50	1	0
1	##	2405	41	15	75	1	1.50	0	0
0	##	2406	57	32	13	4	0.90	0	1
1	##	2407	31	7	10	1	0.50	0	0
0	##	2411	29	4	130	2	6.70	1	0
0	##	2412	47	22	65	3	2.70	0	1
1	##	2414	60	34	31	2	1.00	0	0

0	##	2415	34	10	134	1	4.00	1	0
0	##	2416	45	21	11	4	0.20	1	0
1	##	2420	63	37	44	2	1.00	0	0
0	##	2421	63	39	40	1	0.80	1	0
0	##	2422	43	19	40	3	0.60	0	1
0	##	2425	38	12	89	4	1.40	0	1
1	##	2427	61	36	55	3	0.90	0	0
0	##	2428	29	5	34	4	0.40	0	1
0	##	2431	23	-1	73	4	2.60	1	0
0	##	2433	54	30	45	4	0.90	0	1
0	##	2434	37	11	123	1	2.30	0	1
0	##	2440	51	25	30	3	0.60	0	1
0	##	2442	64	38	38	2	0.30	1	0
1	##	2444	28	3	161	4	1.70	0	0
0	##	2447	25	1	70	4	2.60	1	0
0	##	2448	44	19	201	2	8.80	1	0
1	##	2451	32	7	28	4	1.10	0	0
0	##	2452	51	25	119	1	4.90	1	0
1	##	2454	43	19	60	3	2.10	0	0
0	##	2455	54	29	23	1	1.50	0	1
1	##	2456	34	8	164	4	7.40	0	0
0	##	2457	54	30	39	2	0.80	1	0
1	##	2458	42	17	19	2	0.00	0	0
1	##	2459	46	20	72	2	0.80	0	0
1	##	2460	62	37	41	3	0.90	0	0

0	##	2462	30	5	69	1	0.80	0	1
0	##	2463	52	28	23	3	0.40	1	0
0	##	2466	58	34	25	2	0.30	1	0
1	##	2467	24	-2	80	2	1.60	0	0
0	##	2468	40	16	83	1	0.80	0	1
0	##	2470	43	18	89	1	0.10	0	1
0	##	2473	62	36	119	2	2.00	1	0
0	##	2474	57	32	39	4	0.90	1	0
1	##	2478	40	14	179	1	2.60	0	0
0	##	2479	30	5	178	2	6.70	1	0
0	##	2481	39	13	50	2	2.40	0	1
0	##	2484	44	18	68	4	2.90	1	0
0	##	2487	61	36	130	1	1.30	1	0
1	##	2488	45	20	40	1	0.50	0	0
0	##	2489	38	14	105	2	1.90	1	0
1	##	2494	34	9	49	1	2.50	0	0
0	##	2497	63	37	32	3	0.70	0	1
1	##	2498	33	9	14	3	0.90	0	0
0	##	2500	53	27	38	4	2.80	0	1
0	##	2501	28	2	121	2	2.00	1	0
1	##	2502	44	18	90	4	2.60	0	0
0	##	2503	58	31	178	2	6.00	0	1
0	##	2505	48	24	61	2	1.70	1	0
0	##	2508	59	34	60	4	2.10	1	0
1	##	2510	36	11	8	4	0.20	0	0

1	##	2514	52	26	71	1	1.40	0	0
0	##	2515	41	16	25	2	0.10	0	1
1	##	2516	31	5	34	1	1.90	0	0
1	##	2517	28	3	74	3	2.60	0	0
0	##	2519	61	37	50	4	1.30	0	1
0	##	2521	56	29	45	4	2.50	0	1
0	##	2523	63	37	145	2	6.90	1	0
0	##	2525	49	25	24	3	0.40	1	0
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0	##	2529	57	31	79	3	4.40	1	0
0	##	2533	53	28	19	4	0.80	1	0
0	##	2534	54	29	111	1	1.10	0	1
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0	##	2537	51	25	104	1	4.20	0	1
0	##	2540	32	7	98	1	4.20	1	0
0	##	2544	64	39	24	4	0.60	0	1
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0	##	2546	25	-1	39	3	2.40	0	1
0	##	2547	50	25	9	2	0.00	1	0
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0	##	2557	28	4	82	3	1.50	1	0

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1	##	2561	44	18	71	2	0.80	0	0
1	##	2566	40	15	10	2	0.00	0	0
0	##	2574	58	34	80	2	1.60	1	0
0	##	2575	45	18	10	3	0.67	0	1
1	##	2576	42	16	41	3	0.50	0	0
1	##	2582	60	34	25	4	0.70	0	0
1	##	2583	33	9	42	1	2.10	0	0
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## 2632	47	20	62	1	2.67	0	1
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0							
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## 2639	28	4	45	1	1.00	0	0
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## 2640	52	26	59	3	3.00	0	1
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0							
## 2642	29	5	133	1	5.40	1	0
0							
## 2646	36	12	93	2	2.20	1	0
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## 2694	55	29	62	1	0.20	1	0
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## 2700	37	11	22	3	0.10	0	1
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## 2710	28	4	69	3	0.70	0	1
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0							
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0							
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0							
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0							
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0							
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## 3054	28	4	114	2	0.20	1	0
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## 3055	45	21	134	4	5.50	0	1
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## 3057	54	29	62	4	3.80	0	1
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0							
## 3094	29	5	34	4	0.40	0	1
0							
## 3095	50	23	19	1	0.50	0	1
0							
## 3096	49	25	43	1	1.60	0	1
0							
## 3098	58	32	44	3	2.20	0	0
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## 3099	41	16	21	2	0.10	0	1
0							
## 3102	55	31	91	2	2.80	1	0
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## 3105	56	31	48	2	2.10	0	0
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## 3106	30	4	23	4	0.30	0	1
0							
## 3109	42	15	21	3	1.00	0	1
0							
## 3110	60	34	40	3	2.20	0	0
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## 3112	34	9	78	3	0.60	0	1
0							
## 3113	56	32	65	2	3.20	0	0
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## 3116	31	5	111	2	0.20	1	0
0							

## 3117	36	10	21	3	0.10	0	1
0							
## 3118	42	16	65	3	0.50	0	0
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## 3121	35	11	75	2	1.70	0	1
0							
## 3128	40	14	61	4	0.20	0	0
1							
## 3132	47	22	61	3	2.70	0	1
0							
## 3133	32	7	83	2	2.50	1	0
0							
## 3134	30	5	73	3	2.60	0	0
1							
## 3136	25	0	91	2	1.80	0	1
0							
## 3138	61	36	13	3	0.50	1	0
0							
## 3139	36	11	103	1	4.60	1	0
0							
## 3140	52	26	95	1	0.30	1	0
0							
## 3141	33	7	31	4	1.00	1	0
0							
## 3142	57	31	131	3	0.60	1	0
0							
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0							
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## 3156	55	29	62	3	0.30	0	1
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0							
## 3163	33	7	28	4	0.80	1	0
0							
## 3165	28	4	82	4	0.00	1	0
0							
## 3166	63	37	140	2	6.90	1	0
0							
## 3169	51	25	180	1	1.70	1	0
0							

## 3170	52	28	55	1	1.60	0	1
0							
## 3171	43	16	65	3	2.67	0	1
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0							
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0							
## 3177	48	24	14	3	0.40	1	0
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## 3178	30	4	83	2	1.50	0	0
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## 3179	46	21	71	4	1.90	0	0
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## 3180	43	17	53	2	0.70	1	0
0							
## 3182	39	15	109	1	1.70	1	0
0							
## 3184	44	17	12	3	0.67	0	1
0							
## 3187	41	16	98	3	1.00	1	0
0							
## 3190	32	6	31	1	0.30	1	0
0							
## 3191	56	26	74	1	3.00	0	0
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0							
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0							
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## 3203	30	4	25	2	0.30	1	0
0							
## 3204	44	20	119	2	7.50	1	0
0							
## 3205	61	35	49	4	1.70	0	1
0							
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0							
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0							
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0							

## 3215	61	37	33	3	0.10	0	0
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## 3223	49	23	81	2	0.80	0	0
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## 3225	45	21	58	3	0.30	0	0
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## 3226	52	28	38	4	0.90	0	1
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## 3227	32	8	82	3	1.50	1	0
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## 3228	31	7	18	1	0.40	0	0
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0							
## 3239	52	28	49	4	1.10	0	1
0							
## 3240	30	4	40	1	0.30	1	0
0							
## 3242	41	15	55	1	2.80	1	0
0							
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## 3246	47	22	81	4	3.60	0	0
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0							
## 3250	50	25	81	1	1.20	1	0
0							
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## 3252	52	26	78	3	3.00	0	1
0							

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1	##	3320	60	35	153	3	2.00	0	0
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1	##	3331	34	9	32	4	1.10	0	0
1	##	3332	67	42	21	3	0.10	0	0
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## 3348	65	41	78	3	2.00	0	0
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0							
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0							
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0							
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0							
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0							
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## 3373	55	29	81	4	4.90	1	0
0							
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0							
## 3378	35	10	83	4	0.70	0	0
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0							
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0							
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## 3395	25	-1	113	4	2.10	0	0
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0							

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0							
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0							
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## 3411	36	11	9	4	0.20	0	0
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0							
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1							
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0							
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0							
## 3433	47	23	32	1	1.00	1	0
0							
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0							
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0							
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0							
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0							
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## 3443	43	18	30	1	0.50	0	0
1							

## 3445	60	35	128	1	0.90	1	0
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0							
## 3458	55	31	91	2	2.80	1	0
0							
## 3460	26	1	88	2	1.80	0	1
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## 3462	57	27	64	3	2.00	0	0
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## 3466	65	41	42	1	1.90	0	1
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0							
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## 3489	40	15	51	2	1.10	0	1
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0							
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1							
## 3495	29	2	31	4	1.50	0	1
0							
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0							

## 3498	55	31	134	2	0.30	1	0
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## 3500	49	23	114	1	0.30	1	0
0							
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0							
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0							
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0							
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0							
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## 3526	59	34	13	4	0.90	0	1
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1							
## 3532	38	12	58	3	0.90	0	0
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## 3533	38	12	141	2	0.00	1	0
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## 3541	39	15	30	4	0.30	1	0
0							

## 3544	37	11	194	2	0.00	1	0
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## 3622	53	27	81	3	1.70	0	1
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## 3646	42	17	79	1	3.70	0	0
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## 3699	38	12	59	3	0.50	0	0
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## 3701	48	22	128	1	5.70	1	0
0							
## 3704	67	41	78	4	2.40	0	0
1							
## 3705	36	11	184	2	5.10	0	1
0							
## 3709	31	1	74	4	4.00	0	0
1							
## 3710	37	11	43	4	1.20	0	1
0							
## 3713	50	25	112	1	0.60	1	0
0							
## 3716	29	5	124	2	0.20	1	0
0							
## 3717	55	29	65	3	2.50	1	0
0							
## 3718	61	37	73	3	2.00	0	0
1							
## 3719	45	19	8	2	0.10	0	0
1							
## 3720	33	8	53	3	2.30	1	0
0							
## 3722	32	6	13	4	0.30	1	0
0							
## 3724	51	27	45	1	1.60	0	1
0							
## 3727	39	13	43	3	0.50	0	0
1							
## 3731	30	6	112	3	2.50	1	0
0							
## 3734	58	32	72	3	0.30	0	1
0							
## 3736	40	14	78	1	5.20	1	0
0							
## 3739	54	28	45	3	1.40	1	0
0							
## 3740	39	14	80	2	0.40	1	0
0							
## 3741	59	35	174	1	4.70	1	0
0							
## 3742	53	29	51	2	3.20	0	0
1							

## 3743	32	8	181	1	6.00	1	0
0							
## 3745	54	29	79	3	1.60	0	0
1							
## 3746	27	3	119	1	5.40	1	0
0							
## 3748	26	0	83	3	3.90	0	1
0							
## 3749	33	7	100	1	2.70	0	1
0							
## 3751	57	32	52	3	0.50	0	1
0							
## 3753	55	30	82	4	1.30	0	0
1							
## 3754	30	4	34	2	0.30	0	1
0							
## 3756	55	25	42	3	1.00	0	0
1							
## 3757	35	11	83	2	2.20	1	0
0							
## 3761	56	26	70	3	1.40	0	0
1							
## 3763	53	27	84	2	1.10	1	0
0							
## 3764	62	36	81	3	4.40	1	0
0							
## 3768	40	16	83	4	2.67	1	0
0							
## 3770	29	4	134	2	3.30	1	0
0							
## 3780	53	27	64	4	2.60	1	0
0							
## 3783	30	5	80	4	2.20	0	1
0							
## 3786	54	28	83	1	2.40	1	0
0							
## 3790	51	27	24	3	0.40	1	0
0							
## 3792	41	17	80	1	0.30	1	0
0							
## 3798	61	35	31	2	0.30	1	0
0							
## 3801	64	38	35	1	0.50	0	0
1							
## 3802	34	8	20	2	0.30	1	0
0							
## 3803	31	7	10	4	0.70	0	1
0							
## 3806	29	5	84	3	0.80	1	0
0							

## 3808	36	11	164	2	7.80	1	0
0							
## 3810	26	2	62	4	1.60	1	0
0							
## 3811	48	24	12	4	1.00	1	0
0							
## 3812	47	23	28	4	0.60	1	0
0							
## 3813	39	13	52	1	2.00	1	0
0							
## 3814	62	37	19	3	1.30	0	1
0							
## 3815	34	9	35	3	1.30	1	0
0							
## 3817	55	30	70	3	2.00	0	1
0							
## 3820	57	27	50	4	2.00	0	0
1							
## 3823	63	33	178	4	9.00	0	0
1							
## 3825	23	-1	12	4	1.00	1	0
0							
## 3826	30	6	69	4	3.40	1	0
0							
## 3827	43	19	132	1	5.00	1	0
0							
## 3828	39	14	128	2	3.90	1	0
0							
## 3830	65	39	44	1	0.50	0	0
1							
## 3834	33	9	83	1	0.10	1	0
0							
## 3836	33	9	131	3	2.20	0	0
1							
## 3837	45	19	31	3	0.50	0	1
0							
## 3839	37	11	71	2	1.80	1	0
0							
## 3840	31	5	42	2	2.00	0	0
1							
## 3841	56	31	35	3	0.10	0	1
0							
## 3843	61	35	91	2	2.00	1	0
0							
## 3844	32	7	129	4	5.20	0	1
0							
## 3845	51	27	75	1	2.70	1	0
0							
## 3847	31	5	43	1	1.50	1	0
0							

## 3848	43	18	94	4	1.10	0	1
0							
## 3851	48	23	15	4	0.80	1	0
0							
## 3852	46	21	99	2	3.80	0	0
1							
## 3853	33	7	15	1	0.40	0	1
0							
## 3855	31	6	83	4	1.80	0	0
1							
## 3856	42	18	143	1	1.70	1	0
0							
## 3857	56	30	81	4	2.60	0	0
1							
## 3858	63	39	39	1	1.90	0	1
0							
## 3859	42	18	158	2	0.40	0	1
0							
## 3865	62	32	142	2	2.80	0	0
1							
## 3867	51	25	40	4	1.80	1	0
0							
## 3868	44	19	61	3	2.70	0	1
0							
## 3870	43	16	78	3	2.67	0	1
0							
## 3871	25	0	25	2	0.90	0	0
1							
## 3872	40	16	125	2	1.90	1	0
0							
## 3873	53	29	63	2	1.00	0	0
1							
## 3875	36	12	92	2	0.00	1	0
0							
## 3876	26	2	119	2	0.60	1	0
0							
## 3879	35	11	81	2	0.00	1	0
0							
## 3880	28	4	101	3	2.50	1	0
0							
## 3881	48	24	25	4	0.50	0	1
0							
## 3882	46	20	55	1	1.50	0	1
0							
## 3883	31	7	43	1	2.10	0	0
1							
## 3884	40	16	98	2	1.80	0	1
0							
## 3885	27	1	112	4	2.30	0	0
1							

## 3888	24	-2	118	2	7.20	1	0
0							
## 3893	59	33	102	2	1.40	1	0
0							
## 3894	30	5	40	4	1.70	0	1
0							
## 3895	32	6	44	1	0.30	1	0
0							
## 3896	36	12	59	3	2.00	1	0
0							
## 3901	51	27	12	3	0.40	1	0
0							
## 3903	45	21	39	2	2.10	0	0
1							
## 3905	29	5	18	1	0.40	0	0
1							
## 3908	40	14	42	2	0.30	1	0
0							
## 3909	24	0	44	3	0.10	0	1
0							
## 3911	33	8	62	1	1.00	1	0
0							
## 3915	27	3	35	1	1.80	0	1
0							
## 3916	38	13	91	1	2.80	1	0
0							
## 3918	41	15	89	3	0.10	1	0
0							
## 3919	60	34	65	4	1.70	0	1
0							
## 3921	34	8	82	2	1.50	0	0
1							
## 3922	30	6	48	1	1.20	1	0
0							
## 3923	31	4	20	4	1.50	0	1
0							
## 3925	61	37	122	2	6.00	1	0
0							
## 3928	59	34	38	4	1.70	1	0
0							
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0							
## 3930	37	13	33	4	0.40	0	1
0							
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0							
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1							
## 3936	59	33	53	3	2.50	1	0
0							

0	##	3943	42	17	89	1	0.10	0	1
0	##	3950	31	5	23	1	0.40	0	1
1	##	3951	38	14	62	1	1.50	0	0
1	##	3954	50	26	52	4	0.10	0	0
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0	##	3956	62	36	58	1	0.80	0	1
0	##	3957	62	37	45	3	0.50	0	1
0	##	3958	40	15	75	4	1.10	0	1
0	##	3959	59	34	23	4	0.40	0	1
0	##	3961	62	37	48	3	2.20	1	0
1	##	3963	29	5	31	1	1.00	0	0
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0	##	3970	38	11	75	3	2.33	0	1
1	##	3972	35	11	24	1	0.50	0	0
0	##	3973	29	5	112	2	4.33	1	0
0	##	3974	61	35	53	1	2.80	0	1
0	##	3978	54	27	51	3	1.00	0	1
0	##	3980	38	14	90	2	0.00	1	0
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1	##	3989	59	35	85	1	3.40	0	0
0	##	3991	57	32	59	2	3.70	1	0

## 3994	30	6	13	3	0.90	0	0
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## 3999	34	10	41	1	1.33	1	0
0							
## 4000	47	21	90	2	0.80	0	0
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## 4001	62	37	93	3	3.00	0	0
1							
## 4002	61	35	81	4	1.90	0	1
0							
## 4003	59	34	60	2	2.80	1	0
0							
## 4005	65	39	22	3	0.70	0	1
0							
## 4006	56	32	32	2	0.80	1	0
0							
## 4008	31	7	35	2	1.00	0	1
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## 4009	61	31	154	3	7.50	0	0
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## 4010	42	18	189	2	7.60	1	0
0							
## 4015	56	32	23	4	0.70	1	0
0							
## 4016	25	-1	139	2	2.00	1	0
0							
## 4017	53	28	173	4	2.70	1	0
0							
## 4018	26	0	42	4	1.30	0	0
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## 4019	59	35	161	1	2.90	1	0
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## 4020	62	36	28	3	0.70	0	1
0							
## 4021	58	32	191	4	5.20	0	0
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## 4024	51	25	175	3	0.70	1	0
0							
## 4025	41	15	82	3	0.10	1	0
0							
## 4026	51	27	53	1	1.80	0	0
1							
## 4027	27	1	142	3	5.50	1	0
0							
## 4029	46	20	64	4	2.90	1	0
0							
## 4031	58	32	44	1	0.80	0	1
0							
## 4032	42	18	29	1	0.30	0	0
1							

## 4033	59	35	93	2	1.60	1	0
0							
## 4034	54	24	69	3	1.40	0	0
1							
## 4035	35	11	82	2	1.70	0	1
0							
## 4036	34	9	180	2	6.50	0	0
1							
## 4038	52	28	72	1	0.00	1	0
0							
## 4039	55	30	54	3	1.70	1	0
0							
## 4042	45	19	40	1	0.20	1	0
0							
## 4043	29	3	190	2	4.50	1	0
0							
## 4044	49	23	64	4	2.60	1	0
0							
## 4047	25	0	72	3	2.60	0	0
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## 4048	43	17	82	1	5.20	1	0
0							
## 4051	53	26	14	2	1.00	0	1
0							
## 4052	55	29	162	1	2.90	1	0
0							
## 4053	43	19	54	2	1.70	1	0
0							
## 4054	35	11	90	2	0.00	1	0
0							
## 4055	59	34	64	4	1.70	1	0
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## 4057	51	25	113	2	6.30	1	0
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## 4058	57	32	38	2	2.10	0	0
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## 4060	53	27	39	4	1.50	0	0
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## 4061	31	6	174	2	6.70	1	0
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## 4069	59	34	21	2	0.50	0	1
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0							
## 4073	42	17	78	1	1.00	0	0
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## 4077	49	23	22	1	0.30	0	0
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## 4080	65	40	75	3	2.20	1	0
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## 4088	52	28	179	4	4.20	0	0
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## 4089	29	-1	71	2	1.75	0	0
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## 4095	53	23	8	4	0.40	0	0
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## 4097	38	14	49	3	2.80	1	0
0							
## 4098	60	34	92	2	2.00	1	0
0							
## 4099	27	3	75	4	0.00	1	0
0							
## 4100	61	35	60	1	2.80	0	1
0							
## 4103	41	16	81	2	0.40	1	0
0							
## 4104	44	20	52	1	0.80	0	0
1							
## 4106	39	15	139	1	3.40	1	0
0							
## 4114	28	2	41	3	1.10	0	1
0							
## 4116	45	20	84	4	1.10	0	1
0							
## 4119	40	16	34	1	0.70	1	0
0							
## 4120	30	5	85	4	1.80	0	0
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## 4121	49	23	23	1	1.40	0	0
1							
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0							
## 4124	50	24	40	4	2.60	1	0
0							
## 4125	53	29	141	2	0.20	0	0
1							
## 4126	60	34	95	2	0.70	0	1
0							
## 4128	43	19	82	2	1.80	0	1
0							
## 4129	46	21	53	4	1.90	0	0
1							
## 4130	29	3	10	4	0.40	1	0
0							
## 4131	56	30	75	1	1.90	0	1
0							

## 4133	61	36	133	1	2.60	1	0
0							
## 4134	41	17	129	1	3.40	1	0
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## 4135	35	11	85	4	0.10	0	1
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## 4139	47	22	114	1	0.60	1	0
0							
## 4142	43	19	63	3	2.10	0	0
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## 4144	55	31	20	2	0.30	1	0
0							
## 4146	58	34	63	4	1.60	0	1
0							
## 4148	59	35	180	2	6.50	0	1
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## 4149	46	22	80	4	2.00	0	0
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## 4153	44	18	91	2	0.80	0	0
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## 4154	50	26	148	2	6.80	1	0
0							
## 4155	51	25	163	2	1.30	0	0
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## 4157	37	12	193	1	8.60	1	0
0							
## 4161	30	4	11	1	0.10	0	1
0							
## 4162	32	8	61	3	2.60	0	1
0							
## 4163	61	37	41	1	0.80	1	0
0							
## 4164	54	28	108	4	1.90	0	1
0							
## 4166	63	38	135	2	3.80	0	0
1							
## 4167	66	40	30	2	0.70	0	0
1							
## 4169	60	34	139	4	0.40	1	0
0							
## 4170	41	17	143	2	2.70	0	0
1							
## 4173	67	42	75	4	0.10	0	1
0							
## 4174	35	9	43	2	0.30	1	0
0							
## 4175	40	14	59	3	0.50	0	0
1							
## 4176	42	17	154	3	4.90	1	0
0							

## 4178	47	23	75	1	2.60	0	1
0							
## 4179	59	35	88	2	1.60	1	0
0							
## 4181	36	6	11	1	0.67	0	0
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## 4183	55	29	49	2	0.80	0	0
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## 4184	41	17	140	1	3.50	1	0
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## 4187	33	9	10	4	1.00	1	0
0							
## 4188	30	5	109	4	2.20	0	1
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## 4189	30	4	45	4	1.30	0	0
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## 4191	40	16	89	3	3.90	0	1
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## 4193	50	26	21	1	0.20	1	0
0							
## 4196	43	19	52	4	2.20	0	1
0							
## 4197	49	25	13	1	0.90	0	0
1							
## 4198	51	25	21	2	0.40	0	0
1							
## 4199	61	36	50	4	1.70	1	0
0							
## 4201	43	19	74	4	1.90	1	0
0							
## 4203	35	9	82	3	0.90	0	1
0							
## 4205	40	16	61	3	2.10	0	0
1							
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0							
## 4216	64	40	21	2	0.30	0	0
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## 4218	45	21	29	1	0.30	0	0
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## 4223	51	25	58	3	0.70	0	1
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## 4224	53	26	8	1	0.50	0	1
0							
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0							
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0							

1	##	4230	54	24	83	1	3.00	0	0
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0	##	4244	46	22	74	3	0.70	1	0
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1	##	4251	52	28	54	4	0.10	0	0
1	##	4252	42	16	62	3	0.90	0	0
1	##	4253	54	29	81	1	0.10	0	0
0	##	4256	59	35	78	2	2.80	1	0
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0	##	4259	52	26	155	3	7.20	0	1
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0	##	4265	57	31	40	2	0.30	1	0
0	##	4266	27	2	44	4	0.60	0	1
0	##	4267	42	16	11	1	0.20	1	0
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0	##	4288	54	28	42	4	2.50	1	0
1	##	4289	42	17	28	1	0.60	0	0
0	##	4292	46	21	34	1	0.10	1	0
0	##	4295	58	34	150	1	7.40	1	0
0	##	4299	43	19	122	1	0.30	1	0
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0	##	4326	59	35	52	4	1.50	1	0
1	##	4328	30	4	102	4	2.10	0	0
1	##	4329	64	38	143	2	6.40	0	0
0	##	4333	53	26	12	2	1.00	0	1

## 4337	44	19	44	4	0.00	0	1
0							
## 4338	26	2	182	2	3.20	0	1
0							
## 4341	34	10	92	2	2.70	1	0
0							
## 4346	26	1	184	2	4.20	0	0
1							
## 4347	45	21	33	3	0.50	1	0
0							
## 4349	59	33	99	2	2.70	1	0
0							
## 4350	45	18	44	3	1.00	0	1
0							
## 4351	64	39	101	4	3.40	0	1
0							
## 4353	40	16	59	4	2.67	1	0
0							
## 4360	38	12	58	2	2.80	1	0
0							
## 4362	55	30	42	2	2.00	0	1
0							
## 4363	28	2	55	3	1.10	0	1
0							
## 4365	59	35	75	4	2.30	0	0
1							
## 4367	52	28	43	4	1.10	0	1
0							
## 4370	50	25	19	4	0.40	0	1
0							
## 4371	27	3	18	1	0.40	0	0
1							
## 4372	64	39	13	4	0.60	0	1
0							
## 4373	34	10	41	1	2.40	0	1
0							
## 4374	30	6	139	1	4.30	1	0
0							
## 4375	39	15	62	3	2.33	1	0
0							
## 4376	34	10	51	3	2.00	1	0
0							
## 4379	38	12	45	4	1.20	0	1
0							
## 4380	42	17	53	4	1.90	0	0
1							
## 4383	60	34	38	3	2.20	0	0
1							
## 4384	28	4	85	3	2.50	1	0
0							

## 4389	47	21	123	1	7.30	1	0
0							
## 4391	52	26	62	4	2.80	0	1
0							
## 4393	52	27	81	4	3.80	0	1
0							
## 4394	24	0	59	4	1.60	1	0
0							
## 4403	55	25	52	1	1.40	0	0
1							
## 4404	50	24	112	1	0.00	1	0
0							
## 4409	64	40	181	2	2.30	0	1
0							
## 4410	43	19	75	4	0.20	0	0
1							
## 4412	23	-2	75	2	1.80	0	1
0							
## 4413	34	10	19	4	0.40	0	1
0							
## 4415	33	8	178	3	8.50	1	0
0							
## 4416	60	35	65	2	1.50	1	0
0							
## 4417	49	25	8	1	0.30	1	0
0							
## 4419	59	34	145	4	1.80	1	0
0							
## 4422	63	38	9	4	0.60	0	1
0							
## 4423	57	31	164	2	3.80	0	0
1							
## 4426	26	0	164	2	4.00	0	0
1							
## 4427	33	8	140	1	4.60	1	0
0							
## 4429	51	27	12	4	1.00	1	0
0							
## 4431	38	12	24	2	0.80	0	0
1							
## 4432	38	12	60	2	1.80	1	0
0							
## 4434	62	38	44	1	1.90	0	1
0							
## 4437	60	35	33	2	0.50	0	1
0							
## 4441	43	19	75	3	0.30	0	0
1							
## 4443	48	23	62	4	3.60	0	0
1							

## 4445	36	10	73	2	2.80	1	0
0							
## 4446	49	25	135	2	1.40	1	0
0							
## 4448	49	22	78	3	2.00	0	1
0							
## 4449	59	34	40	3	0.90	0	0
1							
## 4450	30	6	44	1	0.20	0	0
1							
## 4458	55	29	81	3	1.70	0	1
0							
## 4459	48	22	90	2	0.80	0	0
1							
## 4461	47	22	78	1	0.20	0	1
0							
## 4462	46	21	30	4	1.90	0	0
1							
## 4463	33	7	39	4	0.80	1	0
0							
## 4467	34	10	60	3	2.80	1	0
0							
## 4468	55	30	99	1	0.10	0	0
1							
## 4469	67	42	51	3	2.20	1	0
0							
## 4472	56	30	79	3	0.80	1	0
0							
## 4474	31	5	18	2	0.30	1	0
0							
## 4475	66	41	73	3	2.40	1	0
0							
## 4476	43	18	59	3	0.80	0	0
1							
## 4478	33	9	41	1	1.50	0	1
0							
## 4479	33	9	53	1	2.10	0	0
1							
## 4482	25	-2	35	4	1.00	0	0
1							
## 4484	54	28	155	1	1.00	1	0
0							
## 4485	36	11	195	2	3.00	1	0
0							
## 4487	44	19	48	3	0.80	0	0
1							
## 4488	38	14	81	1	3.60	0	1
0							
## 4489	30	4	50	1	1.50	1	0
0							

## 4491	35	9	142	2	0.00	1	0
0							
## 4492	41	16	64	4	0.40	1	0
0							
## 4493	56	26	91	1	3.00	0	0
1							
## 4495	29	4	182	1	3.70	0	0
1							
## 4496	38	14	82	4	2.67	1	0
0							
## 4497	51	25	45	4	2.60	1	0
0							
## 4498	45	21	85	2	3.20	1	0
0							
## 4500	53	26	22	1	0.50	0	1
0							
## 4506	40	15	90	4	1.10	0	1
0							
## 4507	39	13	89	1	2.80	0	0
1							
## 4511	64	39	20	3	0.10	0	0
1							
## 4512	41	17	9	1	1.00	1	0
0							
## 4514	43	19	114	1	1.70	1	0
0							
## 4515	24	-3	41	4	1.00	0	0
1							
## 4516	29	3	49	4	2.10	0	0
1							
## 4517	58	32	12	4	0.70	0	0
1							
## 4519	53	28	30	4	0.20	0	1
0							
## 4520	45	21	32	4	0.60	1	0
0							
## 4521	32	7	41	4	2.00	0	1
0							
## 4523	31	5	29	1	0.30	1	0
0							
## 4524	29	4	50	4	1.70	0	1
0							
## 4527	36	9	40	2	1.67	0	1
0							
## 4528	41	16	18	1	0.60	0	0
1							
## 4531	33	9	19	2	1.00	0	1
0							
## 4533	48	22	133	2	3.10	0	1
0							

## 4534	59	34	19	2	0.50	0	1
0							
## 4537	62	37	38	3	0.50	0	1
0							
## 4538	62	36	63	1	2.50	0	0
1							
## 4540	48	24	14	4	1.00	1	0
0							
## 4544	62	38	33	3	0.10	0	0
1							
## 4545	28	4	80	3	2.50	1	0
0							
## 4547	48	24	74	3	0.70	1	0
0							
## 4549	58	33	73	4	0.70	1	0
0							
## 4550	53	29	41	2	0.80	1	0
0							
## 4552	27	0	28	4	1.50	0	1
0							
## 4553	50	23	64	1	2.67	0	1
0							
## 4554	50	25	44	2	0.70	0	1
0							
## 4555	41	16	109	3	1.00	1	0
0							
## 4556	43	19	71	3	0.30	0	0
1							
## 4558	33	9	30	2	1.00	0	1
0							
## 4560	47	20	101	3	2.00	0	1
0							
## 4562	59	33	59	3	1.40	0	0
1							
## 4563	65	40	64	2	1.50	1	0
0							
## 4569	26	0	44	4	1.30	0	0
1							
## 4571	32	6	99	2	4.50	0	0
1							
## 4573	32	7	81	4	1.80	0	0
1							
## 4574	46	20	73	2	0.80	0	0
1							
## 4577	55	30	41	2	0.60	0	0
1							
## 4579	45	20	90	4	1.10	0	1
0							
## 4580	58	32	41	1	0.20	1	0
0							

## 4582	37	13	59	1	1.50	0	0
1							
## 4587	58	32	61	3	2.20	0	0
1							
## 4588	37	11	59	4	0.20	0	0
1							
## 4591	58	34	151	3	0.60	0	1
0							
## 4592	43	16	44	3	1.00	0	1
0							
## 4594	54	30	133	1	5.00	0	1
0							
## 4597	37	13	61	3	2.80	1	0
0							
## 4598	34	10	68	3	2.60	0	1
0							
## 4600	49	25	149	2	0.40	1	0
0							
## 4601	54	24	75	1	1.40	0	0
1							
## 4602	37	12	55	1	2.50	0	0
1							
## 4603	57	32	81	2	3.70	1	0
0							
## 4605	32	7	81	2	3.40	0	1
0							
## 4606	48	22	42	1	1.20	0	1
0							
## 4608	50	23	18	1	0.50	0	1
0							
## 4609	44	19	28	1	0.30	0	0
1							
## 4614	63	38	52	4	1.70	1	0
0							
## 4616	37	12	84	4	0.70	0	0
1							
## 4618	38	13	41	3	0.50	0	0
1							
## 4619	35	9	29	3	0.90	1	0
0							
## 4621	52	26	84	1	2.40	1	0
0							
## 4622	57	32	60	3	1.70	1	0
0							
## 4624	50	25	45	2	0.60	0	0
1							
## 4627	58	34	58	4	2.30	0	0
1							
## 4630	48	24	148	2	3.30	1	0
0							

## 4634	31	5	50	1	1.50	1	0
0							
## 4636	30	5	85	2	2.50	1	0
0							
## 4638	44	19	85	4	1.90	0	0
1							
## 4639	37	13	89	2	1.70	0	1
0							
## 4640	51	25	33	3	0.90	0	0
1							
## 4641	30	6	42	1	2.10	0	0
1							
## 4642	36	11	31	4	1.70	1	0
0							
## 4643	65	40	143	4	6.60	0	1
0							
## 4644	33	7	35	4	0.80	1	0
0							
## 4647	38	13	119	2	3.30	1	0
0							
## 4648	59	35	43	4	1.30	1	0
0							
## 4651	47	23	63	1	0.80	0	0
1							
## 4652	48	24	58	2	1.70	1	0
0							
## 4653	38	12	184	3	8.00	1	0
0							
## 4654	34	10	155	2	6.50	1	0
0							
## 4656	33	7	188	2	7.00	0	1
0							
## 4660	28	4	199	1	6.33	1	0
0							
## 4663	56	31	59	2	1.90	0	1
0							
## 4668	52	28	72	1	1.60	0	0
1							
## 4670	27	1	64	4	1.80	0	1
0							
## 4671	52	26	194	1	1.70	1	0
0							
## 4673	52	26	180	1	1.70	1	0
0							
## 4675	40	14	93	1	2.80	0	0
1							
## 4681	46	21	154	2	2.80	1	0
0							
## 4682	27	3	68	4	0.00	1	0
0							

## 4688	58	34	48	4	1.30	0	1
0							
## 4691	59	34	19	1	0.30	0	0
1							
## 4692	41	17	65	3	2.10	0	0
1							
## 4694	52	28	20	1	0.30	1	0
0							
## 4695	39	13	25	2	0.80	0	0
1							
## 4696	45	19	70	1	2.80	1	0
0							
## 4697	59	35	70	4	2.30	0	0
1							
## 4698	49	22	103	3	2.00	0	1
0							
## 4700	61	36	61	2	2.80	1	0
0							
## 4701	31	7	170	1	6.00	1	0
0							
## 4704	57	27	62	3	2.00	0	0
1							
## 4706	61	37	141	3	0.70	1	0
0							
## 4708	59	35	91	2	1.60	1	0
0							
## 4710	26	1	35	2	1.70	0	1
0							
## 4711	41	17	71	3	0.30	0	0
1							
## 4712	65	40	59	3	2.40	1	0
0							
## 4713	25	0	14	2	0.90	0	0
1							
## 4714	25	1	122	2	0.20	1	0
0							
## 4715	27	3	81	3	1.50	1	0
0							
## 4718	29	5	121	1	1.50	1	0
0							
## 4719	32	6	35	3	1.00	1	0
0							
## 4720	32	8	140	4	6.60	0	0
1							
## 4721	41	15	88	1	2.80	0	0
1							
## 4722	52	26	70	2	1.10	1	0
0							
## 4724	39	15	125	1	3.50	1	0
0							

0	##	4725	34	8	21	4	1.00	1	0
0	##	4727	34	10	38	1	1.33	1	0
0	##	4729	59	35	31	3	0.40	0	1
0	##	4734	49	23	121	1	4.90	1	0
1	##	4735	63	39	64	1	1.80	0	0
0	##	4737	51	25	65	3	0.70	0	1
0	##	4739	56	32	44	3	1.50	1	0
0	##	4741	56	30	178	1	2.90	1	0
0	##	4744	50	26	21	1	0.20	1	0
1	##	4745	44	20	72	3	0.30	0	0
1	##	4747	31	7	18	1	0.40	0	0
1	##	4749	43	18	38	1	0.50	0	0
1	##	4751	66	41	38	1	1.10	0	0
0	##	4752	41	17	154	1	1.70	1	0
0	##	4755	57	33	93	2	1.60	1	0
0	##	4757	30	4	78	4	2.20	0	1
0	##	4758	26	2	135	1	1.50	1	0
0	##	4759	46	21	40	1	0.30	1	0
0	##	4760	66	41	80	4	0.10	0	1
0	##	4761	50	25	18	2	0.00	1	0
0	##	4762	61	35	74	2	0.70	0	1
0	##	4766	58	34	82	1	4.30	1	0
0	##	4769	38	14	39	1	2.00	0	1
0	##	4770	26	2	20	4	1.00	1	0
1	##	4772	36	11	85	3	1.20	0	0

## 4774	53	28	48	2	1.90	0	1
0							
## 4776	44	14	33	1	0.75	0	0
1							
## 4777	47	23	40	2	2.10	0	0
1							
## 4779	52	27	22	4	0.80	1	0
0							
## 4783	26	0	150	2	7.20	1	0
0							
## 4785	52	28	9	2	0.20	1	0
0							
## 4786	30	5	23	2	0.90	0	0
1							
## 4787	36	12	18	4	1.00	1	0
0							
## 4791	35	11	101	3	3.80	0	0
1							
## 4793	36	10	28	4	1.00	1	0
0							
## 4795	56	30	29	4	1.50	0	0
1							
## 4796	46	21	39	2	1.30	1	0
0							
## 4798	37	11	24	4	1.00	1	0
0							
## 4799	44	20	62	3	0.30	0	0
1							
## 4801	33	7	73	1	2.50	1	0
0							
## 4802	34	10	88	2	0.00	1	0
0							
## 4804	48	24	48	2	2.10	0	0
1							
## 4811	58	34	11	2	0.30	1	0
0							
## 4813	29	4	184	4	2.20	0	0
1							
## 4814	49	23	60	3	0.70	0	1
0							
## 4815	60	34	41	3	2.20	0	0
1							
## 4818	46	22	134	2	3.30	1	0
0							
## 4819	45	19	85	2	1.70	0	1
0							
## 4821	42	17	44	1	0.30	0	0
1							
## 4822	30	6	62	1	0.10	1	0
0							

## 4823	60	36	149	1	4.70	1	0
0							
## 4825	32	6	25	3	1.00	1	0
0							
## 4827	56	31	81	2	0.00	0	0
1							
## 4828	30	6	181	1	4.30	1	0
0							
## 4829	52	28	62	1	1.80	0	0
1							
## 4832	30	6	42	1	2.10	0	0
1							
## 4833	29	4	83	4	2.20	0	1
0							
## 4843	49	23	174	3	4.60	0	1
0							
## 4844	61	34	41	4	2.50	0	1
0							
## 4845	31	6	81	2	2.50	1	0
0							
## 4848	37	11	65	2	2.40	0	1
0							
## 4849	58	32	145	2	0.50	1	0
0							
## 4850	49	25	65	2	1.00	0	0
1							
## 4851	63	39	119	1	2.90	1	0
0							
## 4852	55	31	124	2	0.30	1	0
0							
## 4855	44	20	105	1	4.70	1	0
0							
## 4858	37	13	115	1	0.80	0	1
0							
## 4861	51	25	34	3	0.60	0	1
0							
## 4865	41	16	52	2	2.20	0	0
1							
## 4867	41	17	71	2	3.20	1	0
0							
## 4872	46	22	53	4	1.90	1	0
0							
## 4874	59	35	165	2	6.00	1	0
0							
## 4875	26	0	75	3	0.30	0	0
1							
## 4877	44	19	142	1	1.50	0	0
1							
## 4878	53	29	53	4	0.10	0	0
1							

## 4882	57	32	24	2	0.20	0	0
1							
## 4884	38	13	129	3	4.10	0	0
1							
## 4885	60	34	50	3	2.20	0	0
1							
## 4886	54	30	28	2	0.80	1	0
0							
## 4889	25	1	121	1	5.40	1	0
0							
## 4890	58	28	58	3	2.00	0	0
1							
## 4891	61	35	51	3	1.40	0	0
1							
## 4892	56	31	61	4	0.90	1	0
0							
## 4893	43	19	35	1	0.30	0	0
1							
## 4894	42	12	39	3	2.00	0	0
1							
## 4899	52	26	19	1	1.40	0	0
1							
## 4901	26	1	74	4	2.20	1	0
0							
## 4902	26	0	54	3	1.10	0	1
0							
## 4903	33	8	58	2	2.50	1	0
0							
## 4904	40	15	18	2	0.10	0	1
0							
## 4909	40	16	138	2	6.10	1	0
0							
## 4911	48	22	120	1	0.00	1	0
0							
## 4912	46	22	153	2	7.50	1	0
0							
## 4913	51	26	28	1	1.30	0	1
0							
## 4914	30	4	110	1	2.90	0	0
1							
## 4917	29	5	123	2	0.60	1	0
0							
## 4925	36	12	89	2	2.70	1	0
0							
## 4928	43	19	121	1	0.70	0	1
0							
## 4929	57	33	28	1	1.20	0	0
1							
## 4930	62	36	39	2	0.30	1	0
0							

1	##	4932	57	27	55	1	1.40	0	0
0	##	4934	47	23	94	1	4.70	1	0
0	##	4936	59	33	81	2	1.40	1	0
1	##	4937	45	20	94	3	0.50	0	0
0	##	4938	33	8	162	1	8.60	1	0
0	##	4940	54	29	70	3	2.00	0	1
0	##	4944	26	0	12	1	0.10	0	1
0	##	4945	49	24	33	3	1.70	0	1
0	##	4946	42	18	49	2	1.70	1	0
0	##	4947	51	26	42	1	1.30	0	1
0	##	4948	39	13	41	2	0.30	1	0
0	##	4949	44	20	43	1	0.70	1	0
0	##	4950	29	5	64	4	0.00	1	0
0	##	4955	45	19	22	3	1.50	1	0
1	##	4957	39	13	59	4	0.20	0	0
1	##	4959	50	26	19	1	0.90	0	0
1	##	4961	58	28	81	1	3.00	0	0
1	##	4962	39	14	108	3	1.20	0	0
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0	##	4969	58	32	41	4	2.50	1	0
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## 1352	0	0	0	0	1
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## 1379	0	0	0	0	1
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0					
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## 1394	0	0	0	0	1
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## 1458	0	0	0	0	0
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## 1652	0	1	0	0	1
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## 1683	103	0	0	0	1
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## 1690	0	0	0	0	1
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0					
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0					
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## 1717	565	0	0	0	1
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## 1728	0	0	0	0	0
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## 1729	0	0	0	0	1
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## 1735	182	0	0	0	1
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## 1764	0	0	0	0	0
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## 1881	89	0	0	0	1
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## 1888	0	0	0	1	1
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## 1889	0	0	0	0	1
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## 1894	101	0	1	0	0
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## 1896	0	0	0	0	1
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## 1900	0	0	0	0	1
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0					
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0					
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0					
## 1905	0	0	0	0	1
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## 1908	0	0	0	0	0
0					
## 1909	112	0	0	0	1
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## 1910	0	0	0	0	0
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## 1911	112	0	0	0	0
0					
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## 1923	0	0	0	0	0
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## 1946	151	0	1	0	1
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1					
## 1959	0	0	0	0	1
1					
## 1960	0	0	0	0	0
0					
## 1963	0	0	0	0	0
0					
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## 1973	0	0	0	0	1
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## 1977	0	0	0	0	1
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## 1979	0	0	1	0	1
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## 2005	143	0	0	0	0
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## 2024	151	0	0	0	1
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0					
## 2027	0	0	0	0	1
0					
## 2029	0	0	0	0	0
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## 2034	0	0	0	0	1
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## 2040	0	0	0	0	1
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## 2048	0	1	0	0	0
1					

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## 2052	0	0	0	0	0
0					
## 2055	0	0	0	0	0
0					
## 2057	83	0	0	0	0
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## 2059	0	0	0	0	0
0					
## 2061	0	0	0	0	1
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## 2063	219	0	0	1	1
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## 2066	0	0	0	0	1
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## 2067	0	0	0	0	0
1					
## 2068	0	0	0	0	0
1					
## 2070	0	0	0	0	1
1					
## 2072	0	0	0	0	1
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## 2074	154	0	0	0	1
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## 2075	293	0	0	0	0
1					
## 2077	398	0	0	0	0
0					
## 2078	0	1	0	0	0
1					
## 2080	0	0	0	0	1
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## 2081	0	0	0	0	1
0					
## 2082	0	0	0	0	0
0					
## 2084	0	0	0	0	1
0					
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## 2086	117	0	0	0	1
0					
## 2088	343	1	0	0	1
0					

## 2091	307	0	0	0	0
1					
## 2092	0	0	1	0	1
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## 2093	84	0	0	0	1
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## 2101	84	0	0	0	1
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## 2119	0	0	0	0	1
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## 2120	0	0	0	0	0
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## 2123	119	0	0	0	0
1					
## 2127	141	0	0	0	0
0					
## 2128	0	0	0	0	0
0					
## 2132	0	0	0	0	0
0					
## 2133	0	0	0	0	0
1					
## 2134	176	0	0	0	1
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## 2138	247	0	0	0	1
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## 2139	166	0	1	0	0
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## 2140	0	0	0	0	1
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## 2143	0	0	0	0	1
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## 2144	109	0	0	0	0
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## 2147	80	0	0	0	0
0					

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## 2154	0	0	0	0	1
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## 2172	0	0	0	0	1
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## 2173	219	0	0	0	0
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## 2174	164	0	0	0	0
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## 2176	0	0	0	0	0
0					
## 2180	0	0	0	0	0
0					
## 2183	0	0	0	0	0
0					
## 2184	0	0	0	0	1
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## 2187	0	0	0	0	1
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## 2190	0	0	0	0	1
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## 2191	294	0	1	0	0
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## 2192	0	0	0	0	1
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## 2193	95	0	0	0	0
1					
## 2195	0	1	0	0	1
0					
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0					
## 2197	0	1	0	0	1
0					
## 2199	0	0	0	0	1
0					

## 2201	0	0	0	0	0
0					
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## 2207	207	0	0	0	0
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## 2216	0	1	0	0	1
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## 2227	0	0	0	0	1
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## 2229	0	0	0	0	1
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## 2231	0	1	0	1	1
1					
## 2232	146	0	1	0	1
0					
## 2234	0	0	0	0	1
0					
## 2237	0	0	0	0	1
0					
## 2241	167	0	1	0	0
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## 2242	94	0	0	0	1
0					
## 2243	172	0	1	0	1
0					
## 2244	150	0	0	0	1
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## 2245	120	0	0	0	0
0					
## 2246	0	0	0	0	0
1					
## 2249	97	0	0	0	1
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## 2256	0	0	0	0	1
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## 2259	0	0	0	0	0
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## 2262	0	1	0	0	1
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## 2264	0	0	0	0	1
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## 2268	0	1	0	0	0
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## 2275	0	0	0	0	1
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## 2286	0	1	0	0	1
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0					
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1					
## 2302	0	0	0	0	0
0					
## 2303	0	0	0	0	0
1					

## 2304	0	0	0	0	1
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## 2307	0	0	0	0	0
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## 2309	0	0	0	0	1
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## 2311	0	0	0	0	0
0					
## 2313	0	0	0	0	1
0					
## 2314	0	0	0	0	1
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## 2315	0	0	1	0	1
0					
## 2316	0	1	0	0	1
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## 2322	0	0	0	0	0
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## 2326	0	0	0	0	0
0					
## 2327	0	0	0	0	0
0					
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## 2332	0	0	0	0	0
0					
## 2333	0	0	0	0	1
1					
## 2337	217	0	0	0	0
0					
## 2339	0	0	0	0	0
1					
## 2340	0	0	0	0	0
0					
## 2341	0	0	0	0	0
0					
## 2342	289	0	0	0	1
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## 2343	310	0	0	0	1
0					
## 2344	168	0	0	0	1
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## 2345	102	0	0	0	1
1					
## 2349	0	0	0	0	1
1					

## 2352	0	0	0	0	1
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## 2353	0	0	0	0	0
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## 2354	0	0	0	0	1
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## 2355	0	0	0	0	1
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## 2357	0	1	0	1	1
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## 2360	0	1	0	1	1
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## 2361	0	0	0	0	0
0					
## 2369	0	0	0	0	1
1					
## 2375	112	0	1	0	1
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0					
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1					
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## 2390	0	0	0	0	0
1					
## 2393	0	0	0	0	0
1					
## 2396	0	0	0	0	0
1					
## 2398	309	0	0	0	1
0					
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0					
## 2405	0	0	0	0	1
0					
## 2406	78	0	1	0	1
0					
## 2407	81	0	0	0	1
0					
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1					
## 2412	0	0	0	0	1
0					

## 2414	0	0	0	0	0
0					
## 2415	0	0	0	0	0
0					
## 2416	106	0	0	0	1
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## 2420	0	0	0	0	1
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## 2421	118	0	0	0	0
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## 2422	0	0	0	0	1
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## 2425	0	0	0	0	0
0					
## 2427	197	0	0	0	0
0					
## 2428	0	0	0	0	1
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## 2431	0	0	0	0	1
0					
## 2433	0	0	0	0	0
1					
## 2434	0	1	1	1	1
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## 2442	186	0	0	0	1
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## 2454	0	0	0	0	1
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## 2455	0	0	0	0	0
0					
## 2456	0	1	0	0	1
0					
## 2457	0	0	0	0	0
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## 2458	85	0	0	0	1
1					
## 2459	0	0	0	0	1
1					

## 2460	0	0	0	0	1
1					
## 2462	0	0	0	0	1
0					
## 2463	0	0	0	0	1
0					
## 2466	123	0	0	0	1
0					
## 2467	0	0	0	0	1
0					
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## 2470	307	0	0	0	0
1					
## 2473	0	0	0	0	0
0					
## 2474	147	0	0	0	0
0					
## 2478	0	1	0	0	1
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## 2479	0	0	0	0	0
0					
## 2481	0	0	0	0	0
0					
## 2484	0	0	1	0	0
0					
## 2487	257	0	0	0	0
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## 2488	0	0	1	0	1
0					
## 2489	0	0	0	0	1
0					
## 2494	0	0	0	0	0
0					
## 2497	141	0	0	0	0
0					
## 2498	114	0	0	0	0
0					
## 2500	144	0	1	0	1
0					
## 2501	341	0	0	0	1
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0					
## 2503	0	1	0	0	1
0					
## 2505	229	0	0	0	0
1					
## 2508	234	0	0	0	1
1					

## 2510	81	0	0	0	0
1					
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0					
## 2515	91	0	1	0	0
0					
## 2516	156	0	0	0	1
0					
## 2517	0	0	0	0	0
0					
## 2519	0	0	0	0	0
1					
## 2521	113	0	0	0	1
0					
## 2523	0	0	0	0	1
0					
## 2525	0	0	0	0	1
0					
## 2528	0	0	0	0	0
0					
## 2529	0	0	0	0	0
1					
## 2533	106	0	0	0	0
1					
## 2534	0	1	0	0	1
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## 2535	0	0	0	0	1
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## 2537	0	1	0	0	1
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## 2540	171	1	1	1	0
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## 2544	0	0	0	0	0
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## 2545	0	1	0	0	0
0					
## 2546	0	0	0	0	1
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## 2547	0	0	1	0	0
0					
## 2549	0	0	0	0	1
0					
## 2552	0	0	1	1	1
1					
## 2554	151	0	0	0	0
0					
## 2555	0	0	0	0	0
0					
## 2556	0	0	0	0	0
0					

## 2557	103	0	0	0	1
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## 2558	0	0	0	0	1
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## 2559	0	0	0	0	1
0					
## 2561	0	0	0	0	1
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## 2566	102	0	0	0	1
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## 2574	0	0	0	0	1
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## 2575	100	0	0	0	1
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## 2576	0	0	0	0	1
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## 2582	0	0	0	0	1
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## 2583	0	0	0	0	1
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## 2584	185	0	0	0	1
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## 2586	0	0	0	0	1
1					
## 2589	0	0	0	0	0
0					
## 2590	0	0	0	0	1
1					
## 2593	245	0	0	0	0
0					
## 2594	310	1	0	0	0
0					
## 2596	0	0	0	0	0
0					
## 2598	0	0	0	0	0
0					
## 2603	0	1	0	1	1
1					
## 2606	0	0	0	0	1
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## 2607	216	0	0	0	1
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## 2610	0	0	1	0	0
0					
## 2611	0	0	0	0	0
0					
## 2612	0	0	0	0	1
0					
## 2613	131	0	0	0	0
0					

## 2614	204	1	1	1	1
0					
## 2621	0	0	0	0	0
0					
## 2627	0	0	0	0	1
0					
## 2628	193	0	0	0	1
0					
## 2629	0	0	1	0	1
0					
## 2630	0	0	0	0	1
0					
## 2632	0	0	0	0	1
0					
## 2633	248	0	0	0	1
0					
## 2634	106	0	0	0	1
0					
## 2635	194	0	0	0	0
0					
## 2636	89	0	0	0	1
0					
## 2639	0	0	0	0	1
0					
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## 3196	0	0	0	0	0
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## 3283	0	0	0	0	1
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## 3287	0	0	0	0	0
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## 3291	0	0	0	0	0
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## 3312	0	0	0	0	0
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## 3321	0	0	0	0	0
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## 3358	408	0	1	1	1
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## 3364	0	0	0	0	1
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## 3412	427	0	0	0	0
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## 3419	0	0	0	1	1
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## 3423	0	0	0	0	0
1					
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0					
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## 3427	189	0	0	0	1
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## 3429	0	0	0	0	0
0					
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## 3434	0	0	1	0	0
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## 3436	0	0	1	0	0
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## 3440	0	0	0	1	1
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## 3442	0	0	1	1	1
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## 3493	0	0	0	0	0
1					
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0					
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## 3550	0	0	0	0	0
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## 3559	0	0	0	0	1
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## 3608	0	0	0	0	0
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## 3656	0	0	0	0	1
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0					
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## 3724	82	0	0	0	1
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0					
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## 3734	0	0	0	0	1
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## 3739	0	0	0	0	0
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## 3740	0	0	0	0	0
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## 3798	0	0	0	0	1
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## 3811	89	0	0	0	0
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## 3812	0	0	0	0	1
0					
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## 3814	97	0	0	0	1
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## 3815	0	0	0	0	0
0					
## 3817	0	0	0	0	1
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## 3820	0	0	0	0	1
0					
## 3823	0	1	0	0	0
0					
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## 3826	188	0	0	0	0
1					
## 3827	0	0	0	0	0
0					
## 3828	196	0	0	0	1
0					
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## 3834	0	0	0	0	1
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0					
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## 3845	0	0	0	0	0
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## 3847	0	0	0	0	0
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## 3852	194	0	0	0	1
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## 3867	0	0	1	0	0
1					
## 3868	0	0	0	0	0
0					
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## 3872	0	0	0	0	0
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## 3873	0	0	0	0	1
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## 3881	0	0	0	0	0
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## 3903	0	0	0	0	0
1					
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1					
## 3908	187	0	0	0	1
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0					
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0					
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## 3918	292	0	0	0	1
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## 3923	0	0	0	0	1
0					
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## 3928	0	0	0	0	0
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## 3929	0	0	0	0	1
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0					
## 3933	0	0	0	0	1
0					
## 3934	0	0	0	0	1
0					

## 3936	0	0	0	0	1
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## 3958	0	0	0	0	1
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0					
## 3966	0	0	0	0	1
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## 3972	0	0	0	0	1
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## 3973	0	0	0	0	1
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## 3974	167	0	0	0	1
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1					
## 3989	0	1	0	1	0
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## 4017	427	1	0	0	1
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## 4020	0	0	0	0	1
0					
## 4021	194	1	0	0	0
1					
## 4024	312	1	0	0	0
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0					
## 4026	0	0	0	0	0
1					
## 4027	0	1	0	0	0
0					
## 4029	189	0	0	0	0
0					
## 4031	0	0	0	0	0
0					

## 4032	0	0	0	0	1
0					
## 4033	0	0	0	0	0
1					
## 4034	132	0	0	0	1
0					
## 4035	0	0	0	0	1
1					
## 4036	0	1	0	1	1
0					
## 4038	178	0	0	0	0
0					
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## 4043	246	0	0	0	1
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## 4047	0	0	0	0	1
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## 4051	83	0	0	0	0
0					
## 4052	0	0	0	0	1
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## 4053	0	0	0	0	1
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0					
## 4055	0	0	0	0	0
0					
## 4057	0	0	0	0	0
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## 4058	0	0	0	0	0
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## 4067	0	0	0	0	1
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## 4069	0	0	0	0	1
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## 4070	0	0	0	0	0
0					
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## 4088	0	1	0	0	0
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0					
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## 4098	0	0	0	0	0
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## 4099	0	0	0	0	0
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## 4124	89	0	0	0	1
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0					
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## 4128	0	0	0	0	1
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## 4129	0	0	0	0	0
0					
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## 4131	125	0	0	0	1
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## 4133	0	0	0	0	1
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## 4135	131	0	0	0	0
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## 4139	0	0	1	1	1
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## 4142	0	0	0	0	0
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## 4148	0	1	1	1	1
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0					
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## 4164	0	1	0	0	1
0					
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0					
## 4167	86	0	0	0	0
0					
## 4169	0	1	0	0	1
0					
## 4170	209	1	0	0	1
0					
## 4173	182	0	0	0	1
0					
## 4174	0	0	0	0	1
0					
## 4175	0	0	0	0	1
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## 4176	0	1	0	1	1
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## 4184	342	0	0	0	0
0					
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1					
## 4189	0	0	0	0	0
0					
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0					
## 4196	0	0	0	0	0
0					
## 4197	0	0	0	0	1
0					
## 4198	76	0	1	0	1
0					
## 4199	189	0	0	0	1
0					
## 4201	0	0	0	0	0
1					
## 4203	0	0	0	0	1
0					
## 4205	0	0	0	0	0
0					
## 4209	241	0	0	0	1
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## 4215	0	0	1	1	1
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## 4216	0	0	0	0	0
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## 4218	105	0	0	0	1
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## 4223	223	0	0	0	0
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## 4224	0	0	0	0	0
1					
## 4227	0	0	0	0	0
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## 4229	148	0	0	0	0
0					
## 4230	0	0	0	0	0
0					
## 4232	227	0	0	0	1
0					
## 4235	0	0	0	0	1
0					
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0					
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0					
## 4242	0	0	0	0	1
1					
## 4243	0	0	0	0	1
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0					
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0					
## 4248	0	0	0	0	1
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0					
## 4251	0	0	0	0	0
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## 4252	0	0	0	0	1
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## 4253	0	0	0	0	0
0					
## 4256	0	0	0	0	1
0					
## 4258	0	0	0	0	0
1					
## 4259	0	1	0	0	1
0					
## 4264	0	0	0	0	0
0					
## 4265	0	0	1	1	1
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0					
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1					
## 4269	0	0	0	0	1
0					
## 4270	0	0	0	0	0
0					
## 4272	0	0	0	0	0
0					

## 4273	0	0	0	0	1
0					
## 4274	0	0	1	0	0
1					
## 4276	0	0	0	0	0
0					
## 4283	0	1	1	1	1
0					
## 4285	243	0	0	0	0
0					
## 4288	0	0	0	0	1
1					
## 4289	0	0	0	0	0
1					
## 4292	124	0	0	0	1
0					
## 4295	481	0	0	0	1
0					
## 4299	0	0	0	0	1
0					
## 4302	281	1	0	1	1
0					
## 4305	80	0	0	0	1
0					
## 4306	0	0	1	0	0
0					
## 4308	0	1	0	0	1
0					
## 4310	0	1	0	0	1
0					
## 4315	0	0	0	0	0
0					
## 4316	119	0	0	0	1
0					
## 4317	0	0	1	0	1
0					
## 4320	0	0	0	0	0
1					
## 4321	0	0	0	0	1
0					
## 4322	112	0	0	0	0
1					
## 4323	0	0	0	0	0
0					
## 4326	0	0	0	0	1
1					
## 4328	139	0	0	0	0
1					
## 4329	0	1	1	1	1
0					

## 4333	0	0	0	0	0
1					
## 4337	0	0	0	0	0
0					
## 4338	0	1	0	0	0
0					
## 4341	0	0	1	1	0
1					
## 4346	577	1	0	1	1
1					
## 4347	136	0	0	1	1
1					
## 4349	0	0	0	0	0
0					
## 4350	193	0	0	0	0
0					
## 4351	0	0	0	0	0
1					
## 4353	0	0	0	0	1
0					
## 4360	0	0	0	0	1
0					
## 4362	196	0	0	0	0
1					
## 4363	0	0	0	0	0
0					
## 4365	0	0	1	0	0
0					
## 4367	0	0	0	0	0
0					
## 4370	103	0	0	0	1
1					
## 4371	0	0	0	0	0
0					
## 4372	0	0	0	0	1
0					
## 4373	0	0	0	0	0
0					
## 4374	0	0	0	0	1
0					
## 4375	131	0	0	1	1
1					
## 4376	130	0	0	0	0
0					
## 4379	138	0	0	0	1
0					
## 4380	0	0	0	0	1
0					
## 4383	0	0	1	0	0
0					

## 4384	0	0	0	0	1
0					
## 4389	0	0	0	0	0
0					
## 4391	0	0	0	0	1
0					
## 4393	0	0	0	0	0
0					
## 4394	0	0	0	0	0
0					
## 4403	207	0	1	0	0
0					
## 4404	0	0	0	0	0
0					
## 4409	0	1	0	1	1
1					
## 4410	102	0	0	0	1
0					
## 4412	0	0	0	0	1
1					
## 4413	0	0	0	0	0
0					
## 4415	0	1	1	1	1
0					
## 4416	220	0	0	0	0
1					
## 4417	97	0	0	0	0
0					
## 4419	198	1	0	0	1
0					
## 4422	100	0	0	0	1
1					
## 4423	422	1	0	1	1
1					
## 4426	301	1	0	0	1
0					
## 4427	0	0	0	0	1
0					
## 4429	0	0	1	0	1
0					
## 4431	0	0	0	0	1
1					
## 4432	0	0	0	0	1
0					
## 4434	0	0	0	0	0
1					
## 4437	0	0	0	0	1
0					
## 4441	0	0	0	0	0
0					

## 4443	83	0	0	0	0
1					
## 4445	0	0	0	0	1
1					
## 4446	82	0	0	0	1
1					
## 4448	0	0	0	0	1
0					
## 4449	0	0	0	0	1
0					
## 4450	0	0	0	0	0
1					
## 4458	171	0	0	0	1
0					
## 4459	205	0	0	0	0
0					
## 4461	0	0	0	0	1
0					
## 4462	0	0	0	0	1
0					
## 4463	0	0	0	0	1
1					
## 4467	0	0	0	1	1
1					
## 4468	0	0	0	0	0
0					
## 4469	0	0	0	0	1
1					
## 4472	302	0	0	0	0
0					
## 4474	124	0	0	0	1
1					
## 4475	0	0	0	0	0
0					
## 4476	91	0	0	0	1
0					
## 4478	0	0	0	1	1
1					
## 4479	0	0	0	0	0
0					
## 4482	0	0	0	0	1
0					
## 4484	256	0	0	0	1
1					
## 4485	0	0	0	0	1
1					
## 4487	0	0	0	0	0
1					
## 4488	0	0	0	0	1
1					

## 4489	0	0	0	0	0
0					
## 4491	0	0	1	0	1
0					
## 4492	0	0	0	0	1
0					
## 4493	0	0	0	0	1
1					
## 4495	0	1	0	0	1
0					
## 4496	0	0	0	0	0
0					
## 4497	0	0	0	0	0
0					
## 4498	0	0	1	0	1
0					
## 4500	0	0	0	0	1
1					
## 4506	0	0	1	0	1
0					
## 4507	153	0	0	0	1
1					
## 4511	0	0	0	0	0
0					
## 4512	0	0	0	0	1
1					
## 4514	0	0	0	0	1
0					
## 4515	0	0	0	0	1
0					
## 4516	0	0	0	0	0
0					
## 4517	0	0	0	0	1
0					
## 4519	0	0	0	0	1
0					
## 4520	77	0	0	0	0
1					
## 4521	0	0	0	0	0
0					
## 4523	0	0	0	0	0
0					
## 4524	0	0	0	0	1
0					
## 4527	129	0	1	0	1
0					
## 4528	0	0	0	0	0
1					
## 4531	92	0	0	0	1
0					

## 4533	0	1	0	0	1
0					
## 4534	0	0	0	0	1
0					
## 4537	0	0	0	0	0
0					
## 4538	0	0	0	0	1
1					
## 4540	0	0	0	0	1
0					
## 4544	0	0	0	0	1
0					
## 4545	0	0	0	0	1
0					
## 4547	0	0	1	0	1
0					
## 4549	241	0	0	0	0
0					
## 4550	0	0	0	0	1
0					
## 4552	0	0	0	0	1
0					
## 4553	0	0	0	0	0
0					
## 4554	192	0	0	0	1
0					
## 4555	0	0	1	0	1
0					
## 4556	179	0	0	0	0
0					
## 4558	0	0	0	0	1
0					
## 4560	270	0	0	0	1
0					
## 4562	0	0	0	0	0
0					
## 4563	0	0	0	0	0
1					
## 4569	0	0	1	0	0
0					
## 4571	249	0	0	0	1
0					
## 4573	0	0	0	0	1
0					
## 4574	264	0	0	1	1
1					
## 4577	0	0	0	0	1
1					
## 4579	0	0	0	0	1
1					

## 4580	81	0	0	0	1
0					
## 4582	0	0	0	0	0
1					
## 4587	0	0	0	0	1
1					
## 4588	0	0	0	0	0
0					
## 4591	0	1	0	0	0
0					
## 4592	0	0	0	0	1
0					
## 4594	0	1	0	0	0
1					
## 4597	0	0	0	0	0
0					
## 4598	0	0	0	0	0
0					
## 4600	0	0	0	0	1
0					
## 4601	0	0	0	0	0
0					
## 4602	0	0	0	0	1
0					
## 4603	226	0	0	0	1
1					
## 4605	0	1	0	0	0
1					
## 4606	0	0	0	0	0
0					
## 4608	0	0	0	0	1
1					
## 4609	0	0	0	0	1
0					
## 4614	218	0	0	0	1
1					
## 4616	0	0	0	0	1
0					
## 4618	0	0	0	0	0
1					
## 4619	126	0	0	0	1
0					
## 4621	0	0	0	0	1
0					
## 4622	0	0	1	1	1
1					
## 4624	0	0	0	0	0
0					
## 4627	169	0	0	0	1
0					

## 4630	0	0	0	1	1
1					
## 4634	0	0	0	0	1
0					
## 4636	293	0	1	1	1
1					
## 4638	0	0	0	0	1
1					
## 4639	0	0	0	0	1
0					
## 4640	0	0	0	0	1
1					
## 4641	0	0	0	0	1
0					
## 4642	124	0	0	0	1
1					
## 4643	0	1	0	0	1
0					
## 4644	0	0	0	0	1
0					
## 4647	0	0	0	0	0
0					
## 4648	0	0	0	0	1
0					
## 4651	0	0	0	0	1
0					
## 4652	0	0	0	0	0
0					
## 4653	0	1	0	0	1
0					
## 4654	0	0	0	0	1
1					
## 4656	581	1	0	0	0
0					
## 4660	0	0	0	0	0
0					
## 4663	0	0	0	0	1
0					
## 4668	0	0	0	0	1
0					
## 4670	0	0	0	0	1
1					
## 4671	0	0	0	0	1
0					
## 4673	550	0	0	0	1
0					
## 4675	328	0	1	1	1
1					
## 4681	94	0	0	0	0
0					

## 4682	0	0	0	0	0
1					
## 4688	0	0	0	0	1
1					
## 4691	0	0	0	0	1
0					
## 4692	0	0	0	0	1
0					
## 4694	0	0	0	0	0
0					
## 4695	0	0	0	0	0
0					
## 4696	0	0	0	0	0
1					
## 4697	0	0	0	0	0
0					
## 4698	167	0	0	0	0
0					
## 4700	153	0	0	0	0
1					
## 4701	0	0	0	0	1
0					
## 4704	0	0	0	0	1
0					
## 4706	0	1	0	1	1
1					
## 4708	0	0	1	0	0
1					
## 4710	119	0	0	0	0
1					
## 4711	0	0	0	0	0
1					
## 4712	0	0	0	0	0
0					
## 4713	0	0	0	0	0
1					
## 4714	0	0	0	0	1
0					
## 4715	307	0	1	1	1
1					
## 4718	0	0	0	0	1
0					
## 4719	0	0	1	0	1
0					
## 4720	0	1	0	1	0
1					
## 4721	0	0	1	0	0
0					
## 4722	0	0	1	0	1
0					

## 4724	0	0	0	0	1
1					
## 4725	0	0	0	0	0
0					
## 4727	0	0	1	0	1
0					
## 4729	0	0	0	0	1
0					
## 4734	0	0	0	0	1
0					
## 4735	147	0	0	0	1
1					
## 4737	0	0	0	0	0
0					
## 4739	153	0	0	0	1
0					
## 4741	0	0	0	0	1
0					
## 4744	0	0	0	0	1
0					
## 4745	0	0	0	0	1
0					
## 4747	0	0	0	0	1
0					
## 4749	144	0	0	0	1
0					
## 4751	0	0	0	0	0
1					
## 4752	0	0	0	0	0
1					
## 4755	161	0	0	0	0
0					
## 4757	236	0	1	0	0
0					
## 4758	0	0	0	0	0
0					
## 4759	116	0	0	0	0
0					
## 4760	0	0	0	0	1
0					
## 4761	0	0	0	0	0
1					
## 4762	0	0	0	0	1
1					
## 4766	263	0	0	0	0
0					
## 4769	0	0	0	0	1
0					
## 4770	116	0	0	0	0
0					

## 4772	0	0	0	0	1
0					
## 4774	0	0	0	0	1
0					
## 4776	171	0	0	0	0
0					
## 4777	156	0	0	0	1
0					
## 4779	0	0	0	0	1
1					
## 4783	0	0	0	0	0
1					
## 4785	0	0	0	0	0
0					
## 4786	0	0	1	0	1
0					
## 4787	0	0	0	0	1
1					
## 4791	150	1	0	0	1
0					
## 4793	130	0	0	0	1
0					
## 4795	146	0	0	0	0
0					
## 4796	101	0	0	0	1
0					
## 4798	0	0	0	0	0
0					
## 4799	0	0	0	0	0
1					
## 4801	135	0	0	0	0
0					
## 4802	121	0	0	0	1
0					
## 4804	0	0	0	0	1
0					
## 4811	96	0	0	0	1
0					
## 4813	612	1	0	0	1
0					
## 4814	142	0	0	0	1
1					
## 4815	0	0	0	0	0
1					
## 4818	0	0	0	0	0
0					
## 4819	0	0	0	0	1
0					
## 4821	0	0	1	1	1
1					

## 4822	0	0	0	0	1
1					
## 4823	0	0	0	0	1
0					
## 4825	0	0	0	0	1
0					
## 4827	225	0	0	0	0
0					
## 4828	230	0	0	0	1
0					
## 4829	0	0	0	0	1
0					
## 4832	144	0	0	0	0
1					
## 4833	0	0	0	0	1
1					
## 4843	590	1	0	0	0
0					
## 4844	0	0	0	0	1
0					
## 4845	313	0	0	0	0
0					
## 4848	260	0	0	0	1
0					
## 4849	119	0	0	0	1
0					
## 4850	0	0	0	0	1
1					
## 4851	0	0	1	0	1
0					
## 4852	0	0	0	0	1
0					
## 4855	0	0	0	0	0
1					
## 4858	0	0	0	0	1
1					
## 4861	128	0	0	0	1
0					
## 4865	0	0	0	0	1
0					
## 4867	0	0	0	0	1
1					
## 4872	187	0	0	0	0
0					
## 4874	0	0	0	0	1
0					
## 4875	0	0	0	0	0
0					
## 4877	0	1	0	0	0
0					

## 4878	0	0	0	0	0
0					
## 4882	140	0	0	0	1
0					
## 4884	0	1	0	1	1
1					
## 4885	0	0	0	0	1
1					
## 4886	0	0	0	0	1
0					
## 4889	158	0	0	0	1
0					
## 4890	0	0	0	0	1
0					
## 4891	0	0	0	0	1
0					
## 4892	0	0	1	1	1
1					
## 4893	120	0	1	0	1
0					
## 4894	0	0	1	1	1
1					
## 4899	96	0	0	0	1
0					
## 4901	0	0	0	0	1
0					
## 4902	0	0	0	0	1
0					
## 4903	0	0	0	0	1
0					
## 4904	119	0	0	0	1
1					
## 4909	0	0	0	0	1
0					
## 4911	0	0	0	0	1
0					
## 4912	0	0	0	0	0
0					
## 4913	94	0	1	0	1
0					
## 4914	0	0	0	0	1
0					
## 4917	0	0	0	0	1
0					
## 4925	0	0	0	0	0
0					
## 4928	0	1	0	1	1
1					
## 4929	98	0	0	0	1
0					

## 4930	0	0	0	0	1
0					
## 4932	0	0	0	0	1
0					
## 4934	0	0	0	0	1
1					
## 4936	0	0	0	0	1
0					
## 4937	0	0	0	0	0
0					
## 4938	0	0	0	1	1
1					
## 4940	116	0	0	0	1
1					
## 4944	0	0	0	0	1
0					
## 4945	0	0	0	0	1
0					
## 4946	106	0	0	0	0
1					
## 4947	0	0	0	0	1
0					
## 4948	108	0	0	0	1
1					
## 4949	0	0	0	0	0
1					
## 4950	249	0	0	0	0
1					
## 4955	0	0	0	0	1
1					
## 4957	0	0	1	0	0
1					
## 4959	0	0	0	0	0
0					
## 4961	0	0	0	0	1
0					
## 4962	0	0	0	0	1
1					
## 4965	0	0	0	0	1
0					
## 4966	78	0	0	0	1
0					
## 4969	0	0	0	0	1
1					
## 4972	0	0	1	0	0
0					
## 4973	148	0	0	0	1
1					
## 4974	0	0	0	0	1
0					

```
## 4977      0      0      0      0      1
1
## 4978      0      0      0      0      1
0
## 4980     213      0      0      0      0
1
## 4981      0      1      0      1      1
1
## 4982     122      0      0      0      1
0
## 4984      0      0      0      0      0
0
## 4986     162      0      0      0      1
0
## 4988     159      0      0      0      1
0
## 4989     136      0      0      0      0
1
## 4990      0      0      0      0      1
0
## 4994      0      0      0      0      1
0
## 4995      0      0      0      0      1
0
## 4996      0      0      0      0      1
0
## 4998      0      0      0      0      0
0
```

#where temp data is the remaining data to be considered for valid and test data sets.

#Normalise the train data

```
train.norm.df <- train.df1[, -10]
norm.values1<-preProcess(train.df1[, -10],method=c("center","scale"))
train.norm.df<-predict(norm.values,train.df1[, -10])
```

#Splitting the temp data into valid and test data(20% by giving set difference of temp data from validation index)

```
valid.index1<-sample(row.names(tempdata),0.6*dim(tempdata)[1])
valid.index1

##      [1] "1319" "3612" "1132" "1173" "1690" "4973" "4886" "938"  "1002"
"3071"
##     [11] "2689" "3581" "4120" "3671" "2819" "1934" "1959" "4619" "2875"
"308"
##     [21] "4848" "2304" "4161" "903"  "1805" "3472" "2769" "4051" "2487"
"2633"
##     [31] "4267" "3079" "2078" "2594" "806"  "1576" "4558" "4823" "1140"
```

"2455"
[41] "922" "191" "1772" "3905" "302" "893" "3761" "4001" "4598"
"4100"
[51] "1387" "1050" "1712" "1091" "2576" "2376" "4069" "4375" "4673"
"2681"
[61] "2764" "2786" "1924" "3075" "3353" "3881" "4052" "3958" "399"
"1074"
[71] "4126" "4793" "405" "2710" "2014" "1644" "3318" "4218" "497"
"1456"
[81] "942" "4766" "2859" "2746" "4308" "242" "3828" "42" "1963"
"4121"
[91] "4057" "3425" "2314" "847" "757" "2694" "4476" "1722" "1794"
"4647"
[101] "595" "3081" "2162" "725" "2416" "1346" "3458" "1307" "2630"
"3719"
[111] "4549" "2459" "446" "3233" "999" "2165" "1046" "239" "2470"
"3859"
[121] "913" "3141" "1168" "1657" "4737" "120" "3873" "2072" "2914"
"4232"
[131] "1135" "303" "2074" "1990" "1649" "1" "159" "2586" "3149"
"1735"
[141] "4577" "680" "4955" "2805" "1335" "2479" "171" "1633" "3065"
"1559"
[151] "4031" "2216" "3554" "3010" "632" "1287" "415" "2082" "2294"
"2036"
[161] "4449" "2892" "4827" "1344" "1904" "343" "4029" "1595" "461"
"2084"
[171] "2719" "2120" "3332" "2070" "2926" "1054" "3240" "4573" "3871"
"1660"
[181] "2676" "4938" "816" "2353" "3911" "681" "508" "4850" "4129"
"4467"
[191] "1531" "1727" "695" "4498" "2628" "4978" "1329" "119" "146"
"3253"
[201] "3098" "3929" "49" "348" "31" "675" "3599" "1348" "879"
"1460"
[211] "4713" "3105" "961" "2870" "4269" "444" "2293" "1673" "2454"
"4739"
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[521] "2728" "2733" "2736" "2739" "2741" "2742" "2745" "2749" "2759"
"2763"
[531] "2767" "2790" "2791" "2799" "2806" "2812" "2817" "2824" "2825"

"2827"
[541] "2830" "2831" "2842" "2846" "2851" "2852" "2854" "2855" "2856"
"2868"
[551] "2869" "2876" "2890" "2895" "2897" "2898" "2905" "2910" "2916"
"2920"
[561] "2923" "2936" "2942" "2946" "2947" "2949" "2954" "2959" "2961"
"2967"
[571] "2969" "2974" "2976" "2977" "2978" "2979" "2982" "2986" "2989"
"2991"
[581] "2996" "3006" "3009" "3011" "3012" "3014" "3023" "3024" "3026"
"3029"
[591] "3034" "3038" "3041" "3046" "3048" "3053" "3055" "3057" "3064"
"3067"
[601] "3069" "3076" "3078" "3087" "3088" "3092" "3095" "3099" "3104"
"3110"
[611] "3112" "3113" "3121" "3128" "3133" "3134" "3136" "3138" "3142"
"3146"
[621] "3155" "3156" "3170" "3171" "3177" "3182" "3187" "3190" "3196"
"3201"
[631] "3204" "3208" "3209" "3211" "3219" "3221" "3223" "3225" "3226"
"3246"
[641] "3248" "3250" "3251" "3258" "3265" "3267" "3269" "3273" "3278"
"3285"
[651] "3287" "3296" "3300" "3302" "3308" "3320" "3321" "3344" "3346"
"3347"
[661] "3348" "3355" "3364" "3370" "3371" "3389" "3391" "3392" "3396"
"3399"
[671] "3401" "3404" "3411" "3412" "3419" "3423" "3430" "3436" "3438"
"3442"
[681] "3453" "3456" "3474" "3477" "3481" "3484" "3485" "3488" "3498"
"3500"
[691] "3507" "3509" "3511" "3513" "3515" "3528" "3532" "3533" "3540"
"3550"
[701] "3560" "3569" "3571" "3573" "3574" "3576" "3578" "3583" "3585"
"3587"
[711] "3593" "3594" "3595" "3597" "3601" "3605" "3610" "3613" "3614"
"3618"
[721] "3619" "3622" "3630" "3642" "3643" "3646" "3658" "3667" "3668"
"3670"
[731] "3678" "3681" "3683" "3684" "3691" "3696" "3701" "3709" "3710"
"3734"
[741] "3739" "3742" "3754" "3763" "3780" "3790" "3792" "3798" "3803"
"3808"
[751] "3810" "3812" "3813" "3815" "3823" "3837" "3840" "3843" "3851"
"3856"
[761] "3858" "3867" "3870" "3872" "3879" "3880" "3884" "3885" "3888"
"3893"
[771] "3895" "3896" "3909" "3915" "3919" "3921" "3922" "3923" "3925"
"3930"
[781] "3933" "3934" "3936" "3943" "3954" "3955" "3956" "3957" "3959"

```

"3963"
## [791] "3966" "3972" "3978" "3980" "3984" "3988" "3999" "4000" "4002"
"4003"
## [801] "4008" "4010" "4017" "4018" "4019" "4024" "4027" "4032" "4033"
"4034"
## [811] "4038" "4042" "4048" "4053" "4054" "4060" "4070" "4077" "4080"
"4082"
## [821] "4088" "4095" "4097" "4099" "4104" "4116" "4119" "4128" "4130"
"4131"
## [831] "4133" "4134" "4139" "4146" "4149" "4157" "4162" "4173" "4181"
"4187"
## [841] "4191" "4193" "4197" "4199" "4201" "4203" "4205" "4216" "4223"
"4227"
## [851] "4242" "4244" "4252" "4256" "4258" "4259" "4270" "4273" "4276"
"4289"
## [861] "4295" "4299" "4302" "4306" "4316" "4317" "4322" "4333" "4337"
"4350"
## [871] "4360" "4370" "4374" "4389" "4393" "4403" "4413" "4416" "4417"
"4422"
## [881] "4426" "4429" "4431" "4437" "4446" "4450" "4459" "4461" "4474"
"4475"
## [891] "4484" "4485" "4487" "4488" "4493" "4497" "4515" "4523" "4528"
"4533"
## [901] "4534" "4540" "4550" "4552" "4555" "4556" "4562" "4580" "4582"
"4591"
## [911] "4600" "4603" "4606" "4608" "4621" "4622" "4624" "4627" "4630"
"4636"
## [921] "4638" "4639" "4643" "4652" "4656" "4660" "4663" "4668" "4682"
"4688"
## [931] "4694" "4697" "4700" "4701" "4704" "4708" "4711" "4712" "4714"
"4718"
## [941] "4721" "4722" "4734" "4735" "4741" "4744" "4745" "4751" "4752"
"4755"
## [951] "4757" "4758" "4779" "4783" "4786" "4791" "4799" "4801" "4802"
"4813"
## [961] "4818" "4819" "4821" "4825" "4828" "4832" "4833" "4844" "4845"
"4861"
## [971] "4865" "4867" "4872" "4875" "4877" "4882" "4884" "4885" "4890"
"4891"
## [981] "4892" "4909" "4911" "4913" "4914" "4928" "4932" "4934" "4937"
"4946"
## [991] "4949" "4961" "4962" "4966" "4969" "4980" "4984" "4986" "4996"
"4998"

valid.df1 <- tempdata[valid.index1, ]
test.df1 <- tempdata[test.index1, ]

```

```
#normalize the valid and test data
```

```
Valid.norm.df <- valid.df1[, -10]
test.norm.df <- test.df1[, -10]
norm.values2 <-preProcess(valid.df1[, -10],method=c("center","scale"))
norm.values3 <-preProcess(test.df1[, -10],method=c("center","scale"))
Valid.norm.df<-predict(norm.values,valid.df1[, -10])
test.norm.df<-predict(norm.values,test.df1[, -10])
```

#knn prediction Train, valid and test data

```
knn.pred4<-
class::knn(train=train.df1,test=train.df1,cl=train.df1$Personal.Loan,k=3)
knn.pred4

##      [1] 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 1
0 0 0
##      [38] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [75] 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0
0 0 0
##      [112] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0
0 0 0
##      [149] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0
0 0 0
##      [186] 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [223] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 1 0
##      [260] 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [297] 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [334] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [371] 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [408] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [445] 0 1 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [482] 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [519] 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 1 0
##      [556] 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [593] 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [630] 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
##      [667] 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
```



```

0 0 0
## [1629] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [1666] 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 1
## [1703] 0 0 1 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0
0 1 0
## [1740] 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [1777] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [1814] 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0
0 0 0
## [1851] 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [1888] 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0
0 0 0
## [1925] 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0
0 0 0
## [1962] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [1999] 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0
0 0 0
## [2036] 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [2073] 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0
0 0 0
## [2110] 0 0 0 0 1 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0
0 0 1
## [2147] 0 0 1 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [2184] 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0
1 0 1
## [2221] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0
0 0 0
## [2258] 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 1
## [2295] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [2332] 0 0 0 1 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0
0 0 0
## [2369] 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [2406] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0
1 0 1
## [2443] 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [2480] 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## Levels: 0 1

```

[illegible]


```

0 1 0
## [186] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [223] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0
0 0 0
## [260] 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [297] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0
0 0 0
## [334] 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0
0 0 0
## [371] 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 0 0
## [408] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0
0 0 0
## [445] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0
0 0 0
## [482] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0
0 0 0
## [519] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0
0 0 0
## [556] 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 1 0 0
0 0 0
## [593] 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0
0 0 0
## [630] 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0
0 0 1
## [667] 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [704] 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [741] 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [778] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0
0 0 0
## [815] 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
## [852] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0
0 0 0
## [889] 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 1
## [926] 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0
1 0 0
## [963] 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0
0 0 0
## [1000] 0
## Levels: 0 1

```

#Confusion Matrix for Train, Valid and Test data

```

confusion_matrix2 <-
confusionMatrix(table(knn.pred4,train.df1$Personal.Loan))
confusion_matrix2

## Confusion Matrix and Statistics
##
##
## knn.pred4      0      1
##              0 2243   82
##              1   25  150
##
##              Accuracy : 0.9572
##              95% CI : (0.9485, 0.9648)
##              No Information Rate : 0.9072
##              P-Value [Acc > NIR] : < 2.2e-16
##
##              Kappa : 0.7143
##
##  Mcnemar's Test P-Value : 6.173e-08
##
##              Sensitivity : 0.9890
##              Specificity : 0.6466
##              Pos Pred Value : 0.9647
##              Neg Pred Value : 0.8571
##              Prevalence : 0.9072
##              Detection Rate : 0.8972
##              Detection Prevalence : 0.9300
##              Balanced Accuracy : 0.8178
##
##              'Positive' Class : 0
##

confusion_matrix3 <-
confusionMatrix(table(knn.pred5,valid.df1$Personal.Loan))
confusion_matrix3

## Confusion Matrix and Statistics
##
##
## knn.pred5      0      1
##              0 1317   78
##              1   47   58
##
##              Accuracy : 0.9167
##              95% CI : (0.9015, 0.9302)
##              No Information Rate : 0.9093
##              P-Value [Acc > NIR] : 0.17283
##
##              Kappa : 0.4368
##

```

```

## McNemar's Test P-Value : 0.00729
##
##          Sensitivity : 0.9655
##          Specificity : 0.4265
##          Pos Pred Value : 0.9441
##          Neg Pred Value : 0.5524
##          Prevalence : 0.9093
##          Detection Rate : 0.8780
##          Detection Prevalence : 0.9300
##          Balanced Accuracy : 0.6960
##
##          'Positive' Class : 0
##

confusion_matrix4 <- confusionMatrix(table(knn.pred6, test.df1$Personal.Loan))
confusion_matrix4

## Confusion Matrix and Statistics
##
##
## knn.pred6    0    1
##          0 854   77
##          1  34   35
##
##          Accuracy : 0.889
##          95% CI : (0.8679, 0.9078)
##          No Information Rate : 0.888
##          P-Value [Acc > NIR] : 0.4852
##
##          Kappa : 0.3295
##
## McNemar's Test P-Value : 6.707e-05
##
##          Sensitivity : 0.9617
##          Specificity : 0.3125
##          Pos Pred Value : 0.9173
##          Neg Pred Value : 0.5072
##          Prevalence : 0.8880
##          Detection Rate : 0.8540
##          Detection Prevalence : 0.9310
##          Balanced Accuracy : 0.6371
##
##          'Positive' Class : 0
##

```

Compare and comment on the confusion matrices

```

print("Confusion Matrix for Training set:")

## [1] "Confusion Matrix for Training set:"

```

```

print(confusion_matrix2)

## Confusion Matrix and Statistics
##
##
## knn.pred4      0      1
##           0 2243    82
##           1   25   150
##
##               Accuracy : 0.9572
##               95% CI : (0.9485, 0.9648)
##       No Information Rate : 0.9072
##       P-Value [Acc > NIR] : < 2.2e-16
##
##               Kappa : 0.7143
##
##  Mcnemar's Test P-Value : 6.173e-08
##
##           Sensitivity : 0.9890
##           Specificity : 0.6466
##           Pos Pred Value : 0.9647
##           Neg Pred Value : 0.8571
##           Prevalence : 0.9072
##           Detection Rate : 0.8972
##       Detection Prevalence : 0.9300
##       Balanced Accuracy : 0.8178
##
##           'Positive' Class : 0
##

print("\nConfusion Matrix for Validation Set:")

## [1] "\nConfusion Matrix for Validation Set:"

print(confusion_matrix3)

## Confusion Matrix and Statistics
##
##
## knn.pred5      0      1
##           0 1317    78
##           1   47    58
##
##               Accuracy : 0.9167
##               95% CI : (0.9015, 0.9302)
##       No Information Rate : 0.9093
##       P-Value [Acc > NIR] : 0.17283
##
##               Kappa : 0.4368
##
##  Mcnemar's Test P-Value : 0.00729

```

```

##
##          Sensitivity : 0.9655
##          Specificity : 0.4265
##          Pos Pred Value : 0.9441
##          Neg Pred Value : 0.5524
##          Prevalence : 0.9093
##          Detection Rate : 0.8780
##          Detection Prevalence : 0.9300
##          Balanced Accuracy : 0.6960
##
##          'Positive' Class : 0
##

print("\nConfusion Matrix for Test Set:")
## [1] "\nConfusion Matrix for Test Set:"

print(confusion_matrix4)

## Confusion Matrix and Statistics
##
##
## knn.pred6    0    1
##           0 854  77
##           1  34  35
##
##           Accuracy : 0.889
##           95% CI : (0.8679, 0.9078)
##          No Information Rate : 0.888
##          P-Value [Acc > NIR] : 0.4852
##
##           Kappa : 0.3295
##
##  Mcnemar's Test P-Value : 6.707e-05
##
##           Sensitivity : 0.9617
##           Specificity : 0.3125
##           Pos Pred Value : 0.9173
##           Neg Pred Value : 0.5072
##           Prevalence : 0.8880
##           Detection Rate : 0.8540
##          Detection Prevalence : 0.9310
##          Balanced Accuracy : 0.6371
##
##          'Positive' Class : 0
##

```

#Comment on the differences of training and validation sets and their reason

Below are the differences we can interpret from the above working. Test vs Train:

Accuracy: From the above working, we can see that accuracy(0.9572) of Training confusion matrix, is slightly higher than Test Confusion matrix (0.889)

Sensitivity(True Positive Rate):Training confusion matrix has a higher sensitivity(0.9890) compared to test(0.9617)

Specificity(True Negative Rate):Both matrices have different specificity values.Training confusion matrix has a higher specificity(0.6466) compared to test confusion matrix.(0.3125)

Precision:The precision in Training confusion matrix is higher(0.9647) then test confusion matrix(0.9173).

Test vs validation: Accuracy: From the above working, we can see that accuracy(0.9167) of validation confusion matrix, is slightly higher than Test Confusion matrix (0.889)

Sensitivity(True Positive Rate):Both matrices have almost similar sensitivity values and they both are high.Validation confusion matrix has a higher sensitivity(0.9655) compared to test(0.9617)

Specificity(True Negative Rate):Validation confusion matrix has a higher sensitivity(0.4265) compared to test(0.3125)

Precision:The precision in validation confusion matrix is higher(0.9441) then test confusion matrix(0.9173).

Therefore, on comparing we understood that training data set has the highest accuracy when compared to test and validation data sets, which indicates that algorithm is operating as intended.